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TELEPHONE NUMBER: 3617 CENTRAL (3 lines).

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Index to Advertisers, p. 5.

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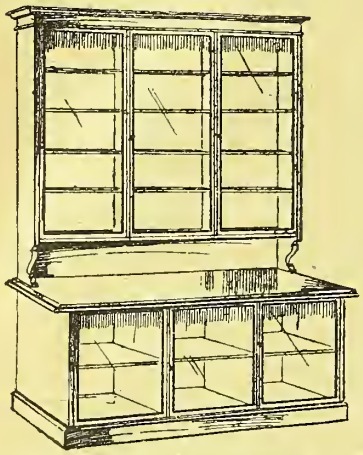

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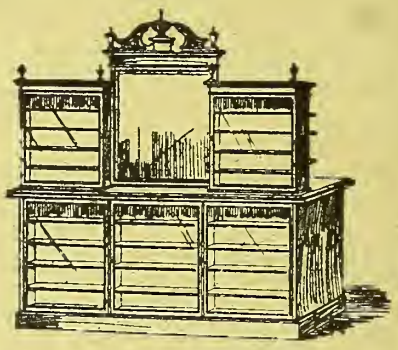

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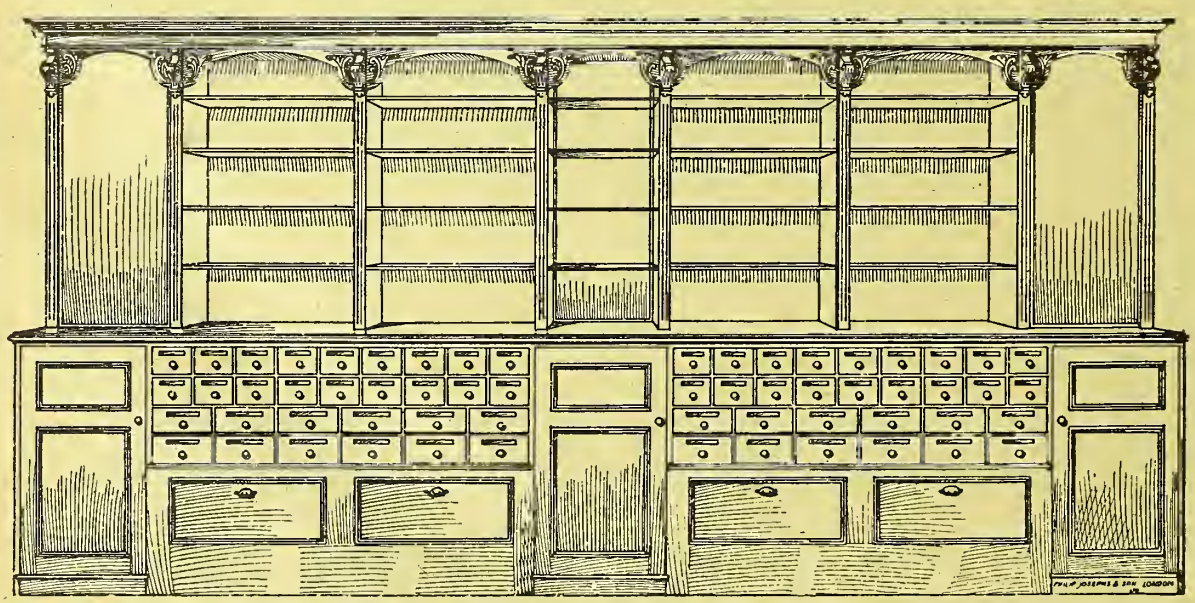

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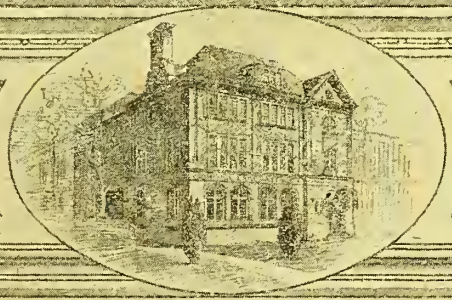

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INDEX TO ADVERTISERS IN THIS ISSUE.

The Arabic numerals (1 to 32) in this Index refer to Advertisements in the front of literary pages, the Advertisements following the literary pages are numbered in Roman numerals (i to xxviii).

For more complete Buyers' Guide see "The Chemist & Druggist" Diary, 1917.

AERATORS, Ld., Sparklets, Vacuum Flasks 23, 25
ALLCOCK MANUFACTURING CO., Plasters, &c. xx
ALLEN, STAFFORD, & SONS, Ld., Essential Oils ....Cover
ALLIANCE DRUG & CHEMICAL CO., Drugs, Chemicals xiii
AMERICAN BUREAU OF FOREIGN TRADE vii
AMERICAN COMMERCE CO., Ld., Chemicals vi
ANDERSON, WALL & CO., Boracic Socks x
ANGLO-FRENCH DRUG CO., Ld., French Props. xi
ARNOTT & SONS, Ld., Petroleum Jellies 20
ASHTON & PARSONS, Ld., Homœopathic Preparations xxvii
BAILEY, ROBERT, & SON, Gauzes, Surgical Dressings xxiii
BAKER, PARSON C., Chemists' Valuer.....Col. Supp.
BARKER, R., & SON, Infants' Preservative xvii
BARRETT, R. H., Ld., Glass Bottles xviii
BARTOLINE (Hull), Ld, White Oils xxv
BATTAM & HEYWOOD, Valuers, &c. .....Col. Supp.
BEECHAM, THOMAS, Pills xiv
BELL (JOHN) & CROYDEN, Ld, Trench Feet Remedy xvi
BELL (JOHN), HILLS & LUCAS, Ld, Pharmaceutical Products.....Cover
BERDOE & FISH Chemists' Valuers, &c.....Col. Supp.
BEWLEY & DRAPER, Dichroic Ink.....xxvi
BLYTHE, W., & CO., Ld., Epsom Salts, Zinc Sulphate viii
BOMBAY AGENTS' CO., Agencies..... xxii
BOND'S MARKING INK, "Crystal Palace" Brand....xxvi
BRITISH DIAMALT CO., Foods x
BRITISH DRUG HOUSES, Ld., Chemicals, Pharmaceuticals, Foods, &c..... 32
BRITISH PASTEUR-CHAMBERLAND FILTER CO. 25
BROOK, PARKER & CO., Ld., Herbs, Specialities .. 10
BROWN, B., & BRO., Drugs, Chemicals, Vegetable Oils 15
BROWN & SON, Water Stills..... xxvi
BRUNNER, MOND & CO., Ld., Alkalies ii
BURGE, WARREN & RIDGLEY, Ld., India-Rubber Goods, Air Cushions, Anti-Rheumatic Rings.....xxiii
BURNSIDE & CO., Eucalyptus Oil viii
BURROUGH, J., Ld., Absolute Alcohol, S.V.R., S.V.M. Text 136
BURROUGHS WELLCOME & CO., 'Tabloid' Preps. 31
BURT, BOULTON & HAYWOOD, Ld., Disinfectants, Sheep Dips .....Cover
BUSH, W. J., & CO., Ld., Perfumery, &c. .....Cover
BUTLER, E. H., & SON, Acetanilide, Aniline Dyes .. xvi
CADBURY BROS., Ld., Cocoa .....Cover
CAMWAL Ld., Mineral and Aerated Waters xxiv
CHATELAIN, J. L., French Medicinal Proprietaries .. lx
CHELTINE FOODS CO., Foods xxii
CHESTER, A. D., & CO., Ld., Chemicals 19
CHRISTY, T., & CO., Toilet Articles, &c. xxii
COLLEGE OF OPTICS, Optical Tuition 28
CONDY & MITCHELL, Disinfectants i
COOK, E., & CO., Ld., Soaps, Perfumery, &c. 4
COOPER, SON & CO., Cachets xxii
COX, ARTHUR H., & CO., Ld., Pills, Tablets, Proprietaries 1
CROOKES' LABORATORIES, Collosols .....Text 136
CUXSON, GERRARD & CO., Ld., Druggists' Sundries xxi
DALE, JOHN, MNFG. CO., Collapsible Tubes xxvi
DARTON, F., & CO., Optical and Scientific Goods 29
DAY & SONS (Crewe), Ld. Veterinary Preps. .....Cover
DEGEN, F. A., Advertising 28
DENOUAL, J., & CO., Capsules, Lozenges..... xix
DIGESTIVE FERMENTS CO., Pepsine, Peptone, &c. 24
DUDLEY & CO., Ld., Shopfittings 16
ELEY BROS., Ld., Nickelled Shaving Stick Tubes, &c. .. 12
ELT'S COLLEGE, Educational 28
ERHARDT, H., & CO., Ld., Tinfoil..... 17
EVANS SONS LESCHER & WEBB, Ld., Chemicals, Pharmaceuticals, Druggists' Sundries, Serums, Insect Powders 8
FABRA CO., Ld., Chemicals vi
FAIRCHILD BROS. & FOSTER, Digestive Products, &c. Cover
FAULDING, F. H., & CO., Antiseptic Soaps..... xvi
FELLOWS' MEDICAL MNFG. CO., Medicinal Syrups xv
FERRIS & CO., Ld., Pharmaceutical Preps..... xvii
FERRY, T., & SONS Ld., Medical Glassware xx
FINK, F., & CO., Gums xxii
FLETCHER, FLETCHER & CO., Ld., Liquors 3, Text 136
FLOREY, HARTLEY, Chemicals xix
FRAME FOOD CO., Ld. Foods..... 30
GARDNER, W., & SONS (Gloucester), Ld., Machinery .. 23
GERAUDEL, A., Pastilles, &c.....xxviii
GIBBINS, R., & CO., Tablets ..... Col. Supp.
GIGNOUX FRERES & CO., Male Fern Extract .. vi
GLEW, F. HARRISON, Inhaler xx
GLOBE BOX CO., Boxes 16
GOSHERON, JOHN, & CO., Sealing Machine 27
GOWER, JOHN, Books (Secondhand, &c.) .....Col. Supp.
GRAESSER, R., Ld., Carbolic Acid, &c. xix
GREEFF, R. W., & CO., Chemicals (Fine and Technical) 9
HALDER, E. C., Dental Mechanics xxii
HARKER, C. R., STAGG & MORGAN, Ld., Hair Dyes.. 14
HARLEY, T., Rat Poison xxv
HARRISON, ALF., & SONS, Chemists' Printing 16
HEDLEY'S MALTED MILK CO., Malted Milk 30
HENRY T. & W., Calcined Magnesia xvii
HEWLETT, C. J., & SONS, Ld., Pharmaceutical Preps. 30
HIBBERT, F. I., Acetylsalicylic Acid, Phenacetin.... x
HOWARDS & SONS, Ld., Cinchona Preps., Quinine, Sodium Bicarbonate, Fine Chemicals iii
HOYLE, J. & T., & CO., Aniline Dyes xxii
HUISKING, C. L., American Drugs, Chemicals, &c..... vi
INGRAM, FREDK. F., CO., Toilet Articles..... xxv
ISAACS, L., & CO., Glass Bottles xvii
JOB BROS., Cod Liver Oil (Newfoundland) 27
JOHNSON & SONS (Mnfg. Chts.), Ld., Fine Chemicals 19
JOSEPHS, PHILIP, & SONS, Ld., Shopfittings 2, Col. Supp.
KENT, G. B., & SONS, Ld., Brushware (all kinds) 13
KINGSLEY & THACKERAY HOTELS, Ld., Hotels .. 28
KIRBY, H. & T., & CO., Ld., Tablets..... 19
KOLENE CO., Hair Preparations 19
KUTNOW, S., & CO., Ld., Saline Preparation 21
LANG, JULES, & SON, Medical & Chemical Glassware.. xix
LAPORTE, B., Ld., Hydrogen Peroxide xv
LAWSON & CO. (BRISIOL), Ld., Anti-parasiticides.. xii
LAZARD-GODCHAUX CO. Ld., Chemicals, Dyestuffs iv
LENNOX FOUNDRY CO., Ld., Chemical Plant xx
LEVERMORE, A., & CO., Ld, Chalk (Precipitated) .. xxii
LOFTHOUSE & SALTMER, Ld., Foods, Asthma Remedies 14
LONDON COLLEGE OF PHARMACY, Educational .. 28
LUDY & CO., Silver Salts, Tannin Preps. xxii
M'GLASHAN, D. Fruit Drink xiv
McKESSON & ROBBINS, Capsuled Pills, Dentifrices .. vii
McQUEEN, D., & CO., Business Books .....Col. Supp.
MACK, JAY, Business Ledger .....Col. Supp.
MADERO BROS. INC., Chemicals v
MALLINOKRODT CHEMICAL WORKS (Canada), Ld. iv
MASON BROS. & CHAPMAN, Catheters xviii
MAW, S, SON & SONS, Druggists' Sundries ii
MENLEY & JAMES, Ld., Pharmaceutical Props. 22
MILLAR, A., & CO., Ld., Orange Quinine Wine xvii
MITCHELL, N. W., & BONS, Ld., Chemists' Corks.... 23
MONSANTO CHEMICAL WORKS, Glycerophosphates iv
MULFORD, H. K., CO., Bacterins, Serums xi
MUMFORD, G. S., & SONS, Starch Powder, Linseed Text 136
NATURAL FOOD CO., Ld., Foods (Special) 30
NELSON, L. H. M., Surgical Goods..... 15
OLDFIELD, PATTINSON & CO., Pharm. Preps. 5
OURY, MILLAR & CO., Ld., Gelatines 22
PETRI BROS., Chemicals..... viii
PICERNO, V. A., Chemicals x
PICKARD, IVE & RANKIN, Ld., Acetyl-Salicylic Acid xiv
PORGES, Guttapercha Tissue Substitute xxii
PRESTON'S LIVERPOOL DISTILLERY CO., Ld. xxvi
PRIOE'S PATENT CANDLE CO., Ld., Glycerin, Soaps 13, 17
PRIDEAUX'S Ld., Casein xxii
RAWORTH, J. E., Patent Agent xxii
RENDELL, W. J., Pessaries xxi
RICHFORD, C. D., Rubber Stamps xxii
ROBARTES, Ld., Toilet Specialities 22
ROBINSON, B., & CO., Concentrated Waters xiv
RUBECK, H., Essential Oils, Thymol .....Text 136
RUDDUCK & CO., Chemists' Shop Fittings.....Col. Supp.
SANATOGEN CO. (British), Foods..... 6, 7
SANGERS, Druggists' Sundries, Packed Goods 26
SANITAS CO., Ld., Disinfectants .....Text 136
SCHOLL MANUFACTURING CO., Ld., Foot Appliances xviii
SHADEINE CO, Hair Dyes xxii
"SHELL" MARKETING CO., Motor Spirit..... 18
SMITH, STANISTREET & CO., Indian Drugs..... viii
SMITH, T. & H., Ld., Alkaloids, Resins & Resinoids i
SOLAZZI, Liquorice 19
SOUTH OF ENGLAND SCHOOL OF PHARMACY .. 28
SOUTHALL BROS. & BARCLAY, Ld. 25
SPARKS, JOHN C., Chemicals..... x
SPENCER, ISAAC, & CO. (Aberdeen), Ld., Cod Liver Oil 10
SQUIRE & SONS, Ld., Pharmaceutical Proprietaries ..Cover
STERN SONNEBORN OIL CO., Ld., Petroleum Jelly 15
STIPENDUM STOPPER CO., Boxes, Stoppers 27
STOKES, O. A., & CO., Ld., Shaving Sticks 14
STURGE, JOHN & E., Precipitated Chalk xvi
SUTTLEY & SILVERLOOK, Ld., Chemists' Printing.. 29
THORNLEY, S., Ld., Methylated Spirit 15
TIMPSON, JOHN, & CO., Ld., Antiseptic Powder.... 20
TITTERTON & HOWARD, Brushware (all kinds) 19
TOLKOWSKY, S., Russian Crude Drugs, &c. ix
TOMLINSON & HAYWARD, Water Glass 23
TOMLINSON, T., & SON, Shopfitting .....s..Col. Supp.
TOOGOOD, W., Ld., Druggists' Sundries 12
VAN HORN & SAWTELL, Surgical Ligatures xxii
VISCOSE DEVELOPMENT CO., Ld., Self-fixing Caps .. 13
WAND MANUFACTURING CO., Capsules, Pills, Tablets xviii
WARRINGTON CHEMICAL & DRUG CO., Salicylic Acid x
WASHINGTON CHEMICAL CO., Ld., Magnesia & Salts Cover
WATSON & CO., Photographics.....Col. Supp.
WATFORD MANFG. CO., Ld., Soup Cubes 30
WEBSTER, T., & CO., Ink Powder..... xvii
WENGERS, Ld., Potters' Chemicals viii
WESTMINSTER COLLEGE OF PHARMACY 28
WHIFFEN & SONS, Ld., Emetine Salts, Quinine, &c... viii
WHITAKER & CO., Hat Dyes 17
WHITE TAR COMPANY, Naphthaline, &c. vii
WOODWARD, W., Ld., Gripe Water 24
WOOLLEY, JAS., SONS & CO., Ld., Galenicals, Foods Cover
WRIGHT, JOHN, & CO., Heating Stoves xx
WRIGHT, S., & CO., Medical Bottles xxiii

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An Apology

To The British Purchasers of The Sanatogen Company.

January 22nd, 1917.

W. G. ASQUITH, ESQ.,
THE BRITISH PURCHASERS OF THE SANATOGEN CO.,
12, CHENIES STREET,
W.C.

Dear Sir,

In October, 1914, and in February, 1915, we published a booklet entitled————containing the following statements :—

> "It is common knowledge that although Sanatogen is advertised as 'made in England,' it is owned by a German—Wulfing."
>
> "Messrs.————were fortunate in securing the services of two English Chemists who had actually been engaged at the Sanatogen factory."

With regard to the first statement, I regret that copies of the booklet containing it were circulated after your syndicate had purchased the Sanatogen business.

I also acknowledge with regret that the second statement was incorrect, and we undertake not to make any such statements in the future, either verbally, or in written or printed matter, nor permit such statements to be made by anyone connected with this firm.

Yours faithfully,

(Signed) ————

Record Sales of Sanatogen and Formamint.

Imitation-makers resort to underground methods.

THE present "rush" for Sanatogen and Formamint has far exceeded our most optimistic forecasts. We predicted that the public would be only too glad to return to the genuine original products when their British ownership became known; but we did not anticipate that the news would spread so quickly or produce such sensational results.

No doubt this state of things is partly to be accounted for by the increased spending power of the working classes in certain districts; ignoring these conditions, however, it is gratifying to observe that the demand for genuine Sanatogen and Formamint has reached an almost uniform level in every part of the country, and we acknowledge with gratitude that this would not have been possible without the cordial assistance given us by our many friends in the Trade.

In these circumstances it may seem unnecessary for us to take notice of the methods which have lately been adopted by some disgruntled imitation-makers; but when such methods take the form of deliberate and serious libels, we feel that we may at least give them a little wholesome publicity.

The apology published on the opposite page refers to a typical case in point; as the firm concerned has promised not to repeat the offence, we refrain from publishing its name.

Our own conviction is that a substitute which won't sell on its merits cannot be made to sell by telling fairy tales of this description; and at that we leave the matter.

Special Note to Pharmacists in Glasgow.

We have a prominent stand at the great Trade Exhibition in Glasgow this month. We are therefore sending two special window dressers, who will be at the disposal of any enterprising pharmacist who desires to have an artistic window show of Sanatogen and Formamint. Applications should be addressed direct to us.

The British Purchasers of The Sanatogen Company,
(*Chairman:* Lady Mackworth),
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See our Lists for these.

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Cinchonidine and Salts
Citric Acid
Cocain Hydrochlor and Puriss
Cream of Tartar
Creosote Carbonate
Formaldehyde
Gallic Acid
Glycerophosphates
Guaiacol Carbonate
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Hexamine
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Mercurials
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Methyl Salicylate
Peppermint Oil
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Quinine and Salts
Quinine Ethyl Carbonate
Salicylate Acid
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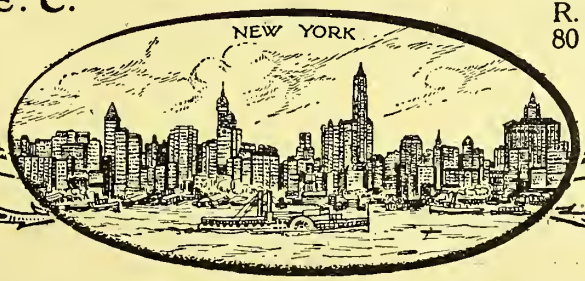
R. W. Greeff & Co.

THAMES HOUSE,
QUEEN ST. PLACE,
LONDON, E. C.

MANCHESTER BRANCH:
Lloyds Bank Buildings,
King Street,
ALSO AT
NEW YORK:
R. W. Greeff & Co.,
80 Maiden Lane.



The Vignettes which appear successively in this advertisement indicate the countries from which the products offered are mainly drawn.

FINEST
NORWEGIAN
Medicinal Non-freezing
COD LIVER OIL

The Cheapest & Best on the Market.
Special Facilities. Let us have your Enquiries.

ISAAC SPENCER & CO. (ABERDEEN) LTD. ABERDEEN

On account of the SCARCITY OF SUGAR there is an exceptional demand for

SACCHARINE TABLETS.

Many of our customers are selling over £10's worth weekly. WHY NOT YOU?

Reduced facsimile of Showcard supplied with each order.

DON'T WORRY OVER THE
SCARCITY OF SUGAR.
USE
Saccharine Tablets.
ONE TABLET WILL SWEETEN A CUP OF TEA, COFFEE, ETC.
PRICE 0 PER DOZEN.
OR BOTTLES OF 100 FOR — OR 200 FOR — OR 500 FOR

Prices, which fluctuate according to the price of Saccharine, will be quoted upon application.

Note our Reduced Prices for

ASPIRIN TABLETS.

Bottles of 25.	Bottles of 50.	Bottles of 100.	Per 1,000.	Per lb.
6/6	12/-	23/-	17/-	22/-

BROOK, PARKER & CO., Limited,
Manufacturing Chemists, NELSON ST., BRADFORD.
CONTRACTORS TO THE WAR OFFICE.

Maw's Page

S. MAW, SON, & SONS.
(G.P.O. BOX No 54.)
7-12, ALDERSGATE ST.
LONDON, E.C.

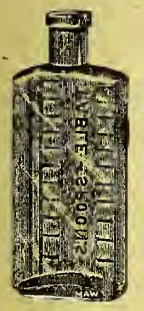
NUMBER 277 FEB. 3, 1917

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS

Equip your Pharmacy

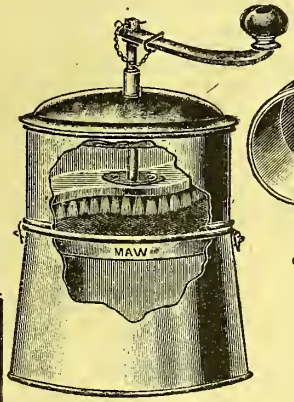
MAW'S MIXERS AND SIFTERS.

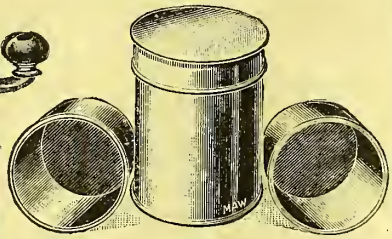
Quality in equipments is the *sine quâ non* of the modern Pharmacy. We therefore recommend these British-made Mixers and Sifters with complete confidence.



MAW'S DISPENSING BOTTLES.
A good selection at low prices consistent with value. Write for prices.

XL SIEVE. 6×4½ in. **3/-** each.
EXTRA SIEVES **1/6** each.

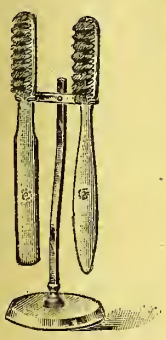


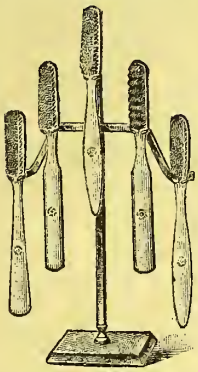


BOX SIEVE. 5½×4 in. **12/-** each
With one sieve, medium.
COARSE & FINE SIEVES **10d.** ea. extra.

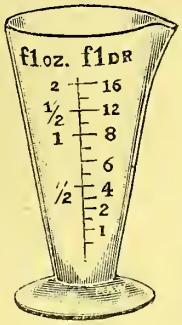
MAW'S SHOP ROUNDS.
Super Quality. Make your shelves look smart. Useful selection of shapes & sizes. Write for prices.

FIG. B2240/F. A useful pattern in Laboratory Sieves. Constructed of tin, and fitted with revolving brush and No. 40 Sieve.
3-lb., **13/6** each. Extra Sieves, **4/6** each.
7-lb., **17/6** each. " " **6/6** each.

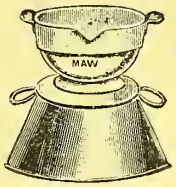




TOOTH BRUSH STANDS.
Brass holders. Glass stands. Small size **1/-** each. Large size **1/6** each. Effective!



No. 215/S.
BEST CONICAL MEASURE.
Specially annealed & graduated. 1 to 40 oz. From **7/2** to **50/-** per dozen.



No. B3.0 R.
SUPPOSITORY BATH.
Flanged earthenware basin, tin bath with wide base. Diameter of basin 3 in., **1/9** each. Spare basins, **8d.** each.

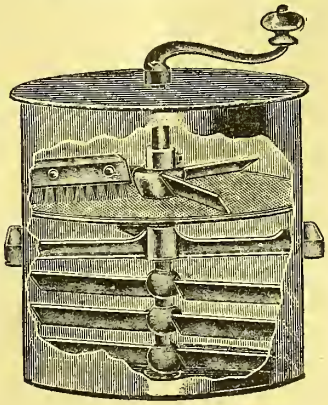


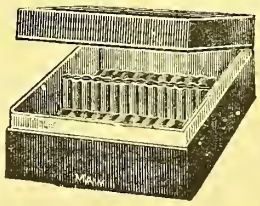
FIG. B2241/R. "The Desideratum," sifting and mixing machine. Fitted with revolving brush above and mixer underneath the sieve. The "Desideratum" reduces lumpy powders, mixes many ingredients in various proportions, and produces a perfect blend with great rapidity, at one operation.
From **41/-** each.

'ALDERSGATE' CORKS.

		Prime.	Super-fine.
B1052/D	Assorted Vial, ½ to 4 oz., 3 gross bags...	per gross. 9d.	1/-
B1053/D	1 dr. and 2 dr., 1 and 2 oz., or 3 and 4 oz., 3 gross bags ...	9d.	1/-
B1054/D	6 and 8 oz., fine, 10 gross bags per gross **10d.**	—	—
B1054A/D	6 and 8 oz., 3 gross bags ...	1/-	1/6
B1055/D	10 and 12 oz., 3 gross bags ...	1/3	1/8
B1056/D	Daffy, assorted, 3 gross bags	1/4	1/10
B1057/D	Pints, 1 gross bags	1/10	2/3
B1058/D	Quarts, 1 gross bags	—	2/9

BOXES & CASES.

We still hold a large stock of round & square boxes for all purposes, including the Purple Flanged Pill Boxes, now made in our own Factory.



TELEPHONE: CITY 7 (PRIVATE BRANCH EXCHANGE). TELEGRAMS: "ELEVEN CENT LONDON."

ELEY BROTHERS, LIMITED

specialise in the manufacture of the following articles at the lowest prices:

Shaving Stick Cases

Oval and Round Tops

for Powder Tins, Cruets, Dredgers, etc.

Metal Boxes

for Dentifrices, Soap Tablets, etc.

Ferrules

for Walking Sticks, Whips, Bamboo Fittings, etc.

Pencil Fittings

in any of the following metals: Brass, Copper or White-metal (nickel or silver - plated), Aluminium and Jewellers' Metal (Tombac).

During the continuance of the War we cannot undertake orders to make any of the above goods requiring one or more of the metals for their manufacture of which the use for commercial purposes has been prohibited by H.M. Government; but we invite inquiries, as we still have some articles in stock which were made before the prohibition was issued.

ELEY BROTHERS, Ltd.
(Dept. 21), Edmonton, London, N.

No. 77 BRITISH Eau de Cologne

In Square Bottles

2 oz.	...	11/- doz.
4 ,,	...	21/6 ,,
8 ,,	...	41/6 ,,

In Wickered Bottles

½ pint	...	34/6 doz.
1 ,,	...	65/- ,,
2 ,,	...	122/- ,,

Write for Samples. Showcards supplied.

MANUFACTURED ONLY BY

WILLIAM TOOGOOD, Ltd.,
77 Southwark Street, London, S.E.

PRICE'S

Fine Old English Lavender Water

The British Perfume that appeals to all.

Blended from an original formula, and packed in attractive Bottles and Boxes at the following Wholesale prices :

2 oz. . . . @ 17/- per doz. Bottles.

4 oz. (as illustrated) . . . @ 30/- per doz. Bottles.

Also in ¼, ½ or 1 lb. Bottles for refilling or retailing intact.

Samples and terms on application to—

PRICE'S, Battersea, London, S.W.

TITTERTON'S CELEBRATED HAIR BRUSHES

GOOD PROFITS are made by selling TITTERTON'S CELEBRATED BRUSHES (*Hair, Tooth, Nail & Shaving Brushes*).

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.

Illustrated Catalogue on application.

TITTERTON & HOWARD,

Brush Manufacturers,

8 & 10 Great Titchfield St., London, W.

SUPPORT HOME INDUSTRIES.

Estd. 1777.

C. B. KENT & SONS LTD. BEST BRITISH BRUSHES.

Incd. 1900.

BUY KENT'S BRUSHES.

Diary 1917, pp. 108, 109.
Winter Issue, 1917, pp. 68, 69.

CHECK

loss of time and profits by using

SEMREH SELF-FIXING BOTTLE CAPPINGS.

So simple—*anyone* can fit them; a boy or girl if need be.

THE VISCOSE DEVELOPMENT CO., LTD. BROMLEY, KENT.

SHAVING STICKS

ALL-BRITISH

GOOD DESIGN AND QUALITY.

4½d. "THE FLAG," Cartoned, 2/9 doz., 30/- gross.

6d. "CREAM OF ROSES," Decorated Tin in four colours, Rose design on Cream ground, 4/2 doz., 48/- gross.

1/- ALUMINIUM HOLDER & FINGER PROTECTOR, 7/6 doz.

4d. TABLET, Cartoned, 2/3 doz. *Sample of each for stamps,* 1/6

C. A. STOKES & CO., Ld., 31/35 Lower Castle, BRISTOL

Manufacturers of LIME CREAM, BRILLIANTINES and TOOTH POWDERS for LARGE BUYERS.

OVER 100 % PROFIT
ENSURED & PROTECTED (P.A.T.A.)
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	per doz. less 5 % discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).
Do. 6 doz. do. 8 bottles gratis.
Do. 12 doz. do. 18 bottles gratis.
Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN, LTD.
DEVON WHARF,
Emmott Street, Mile End, London, E.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	7½d.	5/-
* " " " " "	1/2	10/-
* " " " " bottles in cartons	1/6	12/-

**Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.*

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/6 12/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

L. H. M. NELSON,

Balfour House,

119 Finsbury Pavement,

London, E.C.,

Has pleasure in advising Buyers that he can offer, ex Stock London, the following, viz. :

DOUCHE TUBING (Black & Red)
DOUCHE CANS
DOUCHE FITTINGS
GLYCERINE SYRINGES ($\frac{1}{4}$oz. & $\frac{1}{2}$oz.) (Vulcanite and Glass)
URETHRAL SYRINGES (Vulcanite and Glass)
URETHRAL SYRINGES (all Glass)
SPRAY BELLOWS
BULB SYRINGES
STOMACH TUBES
ENEMA PIPES
SPRAY MOUNTS (Vulcanite)

Liquid Paraffin B.P.

Petroleum Jelly

White Oils

Half-White and Coloured Oils

STERN SONNEBORN OIL CO., LTD.
Royal London House,
FINSBURY SQUARE, LONDON, E.C.

METHYLATED SPIRIT

OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.
Write for Prices. · ESTABLISHED 1794.

SAMUEL THORNLEY, Ltd., BIRMINGHAM

B. BROWN & BRO.

Importers and Exporters

DRUGS, CHEMICALS & VEGETABLE OILS

280 BROADWAY, NEW YORK, U.S.A.

Good Printing

SELLS YOUR GOODS
WITHOUT AN EFFORT

We specialise in

GOOD PRINTING

and will be pleased
to quote for your
requirements.

::::::

Alf. Harrison & Sons

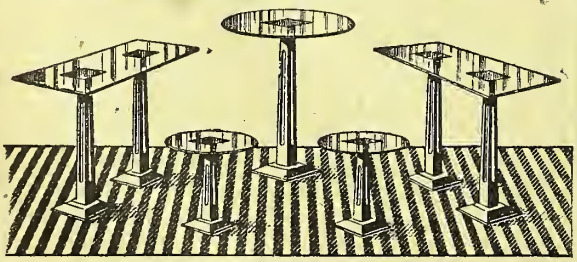
GENERAL PRINTERS,

224 BURLEY ROAD, LEEDS

"Open" Window Dressing

With Solid Polished Oak Pedestals and Plate Glass Shelves

Enables you to dress your window quicker, and make a different style of display each week.



THE SET DEPICTED CONSISTS OF

2	12-in. Oak Pedestals,	No. SF 1024	**1/8** each.
4	24-in. ,, ,,	No. SF 1024	**3/-** ,,
1	30-in. ,, ,,	No. SF 1024	**3/6** ,,
2	Oval Plate Glass Shelves,	15 by 10	**4/6** ,,
1	,, ,, ,, Shelf,	18 by 12	**5/9** ,,
2	Oblong Plate Glass Shelves,	36 by 12	**7/11** ,,

The Lot Complete for 49/-

Or any of the above articles supplied separately at prices quoted.

"Black and White" Striped Paper, No. D 3010, in rolls, 22-in. wide, about 12 yds. long, **2/4** per roll.

DUDLEY AND COMPANY - Shopfitters, 451, 550, and 558 Holloway Rd., London, N.

PROFITABLE PACKING

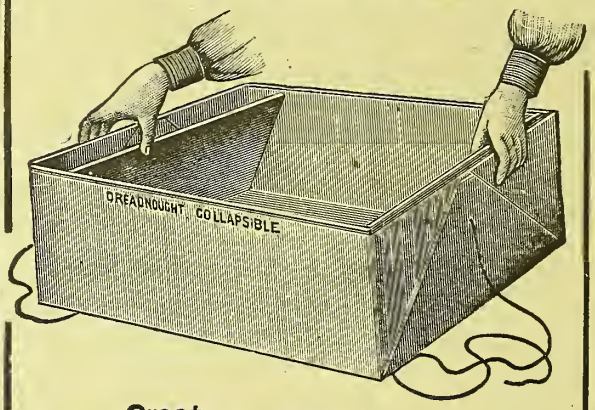
BY BOY OR GIRL LABOUR

is one of many advantages to
be secured by the adoption of

"DREADNOUGHT"

COLLAPSIBLE PACKING CASES

A pair of hands the only tools needed

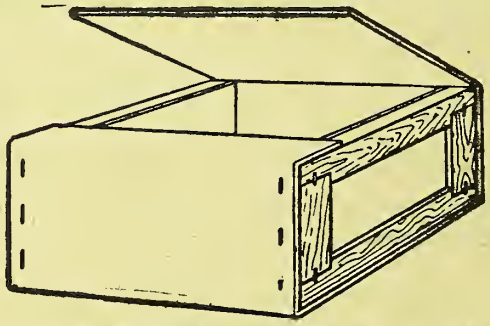


Great Economy in Storage.

The collapsible parts are **all inside** the box, forming extra strengthening power, the exterior being a smooth, even surface available for labelling. Apart from the strings there are no fastenings whatever. The boxes can be erected in the short space of a few seconds; are **STRONG, RIGID, LIGHT, and NEAT.**

Where Boxes of EXCEPTIONAL STRENGTH are required we recommend OUR

"HERCULES" WOOD-END BOXES



which possess the actual MAXIMUM of strength and capacity with the MINIMUM of weight.

State size of boxes, weight, nature of contents and approximate quantities required, when all information will be forthcoming.

HIGH-CLASS PRINTED and LITHOGRAPHED

Folding Cartons & Advertising Dummies.

SPECIALITY:

LABELS, SHOWCARDS, &c.

(Lithographed & Varnished) executed in one or more colours.

Address the Sole Makers:

GLOBE BOX CO., HYDE, Cheshire.

(Proprietors: Cartwright & Rattray Ltd.).

Telephone - No. 115 HYDE (2 lines).

PRICE'S
NEW
Medicated Toilet Soap.

NOTE.—Quotations given for Medicated Toilet Soaps under Chemist's own die and printing. Neat and appropriate wrappers and labels available.

"CUTOLĀV"

A reliable Antiseptic.
Fragrant and refreshing.

Recommended for Toilet or Nursery use.

Retail Price
Per 7½d. Tablet

which shows an attractive profit.

QUOTATION ON APPLICATION TO

PRICE'S,
BELMONT WORKS, BATTERSEA,
LONDON, S.W.

7d.

Make your old Hat a new one.

In bottles, 7d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS. NO POLISH.

On the P.A.T.A.

WRITE FOR TERMS, PATTERNS, ALSO LEAFLET OF TESTIMONIALS.

"Luton" HAT DYE

WHITAKER & CO., COLOUR WORKS, KENDAL, ENG.
London Depot: 60-62 Clerkenwell Road, E.C.
"Glossy" Series supplied if desired.
Special Non-Inflammable Series for Export. Est. 1782.
Telegraphic Address: "Dullette Kendal." Telephone: No. 84.

TINFOIL
PURE TIN (Free from Lead).

All Thicknesses, Sizes, Shapes, and Designs for the Wrapping of

DRUGS, CHEMICALS, PLASTERS, BANDAGES, AND SANITARY APPLIANCES.
BOTTLING FOILS.
SHAVING SOAPS FOILS
(Designed and Perforated).
TOILET SOAPS FOILS, AND FOILS FOR COMPRESSED TABLETS OF FOODSTUFFS, DRUGS, PILLS, LOZENGES, &c.
CHOCOLATE (Embossed or Printed).
Also in REELS for WRAPPING MACHINES and
LEAD & COMPOSITION FOILS
for special Chemical Wrapping.

H. ERHARDT & CO. Ltd.
9 & 10 Bond Court, Walbrook,
LONDON, E.C.
Established 1870. Telephones 383 and 384 City.
Telegrams: "ERHARDT LONDON."

To the Trade.

EMPTIES

"SHELL"
"SHELL" II
"CROWN"
"SWAN"
MOTOR SPIRITS

Commencing January 1st, all empty cans and steel barrels in which the well-known "Shell," "Shell" II, "Crown" and "Swan" brands of motor spirit have been delivered, should be returned to the "Shell" Marketing Co.'s vans or depots—not to the British Petroleum Company. Credit in full will be given for all such empties received in good condition

DIVISIONAL OFFICES:

LONDON—
Town ... ... } 39–41, Parker Street,
Home Counties, South } Kingsway, W.C.
Home Counties, North ... 103, Oxford Street
MANCHESTER ... ... 1, Brazennose Street
BIRMINGHAM Carlton House, 28, High Street

BRISTOL ... ... 5a, Union Street
PLYMOUTH ... "Shell" House, East Street
HULL ... "Shell" House, 21, Story Street
GLASGOW ... ... 53, Bothwell Street
DUBLIN ... ... 70, Grafton Street

"SHELL" MARKETING CO., LTD.,
39 & 41 PARKER STREET, KINGSWAY, LONDON, W.C.

ASPIRIN TABLETS

(P. M. & Co.)

More than fulfil the requirements of the British Pharmacopœia as to Melting Point and freedom from Salicylic Acid.

25's, 6/6 per doz.; 100's, 23/- per doz.; 1000, 17/-

SUBJECT TO A DISCOUNT OF 5 % IF CASH ACCOMPANIES ORDER.

Prompt delivery with name and address. A selection of 30 varieties of Labels to choose from.

H. & T. KIRBY & CO., LTD. Write—Belton Road, Willesden Green, LONDON. Wire—Kirby, Limited, Willroad, London. 'Phone—Willesden 1412.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

WE CAN OFFER FIRST HAND

SODA SULPHATE (PEA XTALS.)
ACETIC & OXALIC ACID.
ACID TARTARIC. QUININE.
FORMALDEHYDE.
SODA CARBONATE (PEA XTALS.)
SODA BENZOATE.

A. D. CHESTER & CO., LTD.

Chemical Works, Drummond Road, Bermondsey, London.

Telephones . . Nos. 6 and 4782 HOP.

KOLENE

FOR THE HAIR.

is sold in all parts of the United Kingdom.

Sales run into millions annually.

Sold		
1d. Line, 1½ doz. cards	8/-	grs.
2d. Line, 1 doz. cards	16/-	"
3d. Jars ...	2/-	doz.
4½d. Jars ...	3/-	"
6d. Jars ...	4/-	"

KOLENE

has a rapidly increasing SALE.

Ask for one of our travellers to call, or order direct from

The KOLENE CO., 206 Stewart's Rd., London, S.W.

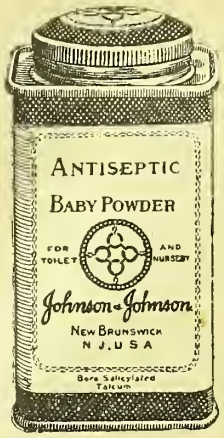
JOHNSON'S PURE CHEMICALS.

ACID ACETIC.
AMMON. SULPHOCYANIDE.
POTASS. SULPHOCYANIDE.
SILVER PROTEINATE.
ACID MOLYBDIC.
AMMON. MOLYBDATE.

ALL CHEMICALS FOR PHOTOGRAPHY, PROCESS, ASSAYING, MINING, etc. etc.

Price List on Application.
Special Terms for Contracts.

JOHNSON & SONS, Manufacturing Chemists, Ltd. Cross Street, Finsbury, LONDON.



Look for the Name and Trade Mark

ANTISEPTIC BABY POWDER

MANUFACTURED BY

Johnson & Johnson.

We wish to warn our Customers, so that they may be on their guard, that our package is being imitated. This step, which is so easy, is an undignified and shabby attempt to rob us of our goodwill.

WARNING. The contents cannot be imitated, and the Trade Mark cannot be imitated; and we would ask those Customers who have handled this preparation for a quarter of a century, with every satisfaction to themselves and to their clients, to resent this method of copying other firms' productions by insisting on having the original package bearing the registered Trade Mark, which is the guarantee of quality.

JOHN TIMPSON & CO., Ltd.,
104 Golden Lane,
LONDON, E.C.

PETROLEUM JELLIES

White, Yellow, Amber and Red.

For Pharmaceutical and General Purposes.

AMERICAN SPIRITS OF TURPENTINE,
OLIVE, CASTOR, COLZA OILS,
ROSIN, and LUX BLOOMLESS MINERAL OILS.

James Arnott & Sons, Ltd.

Newcastle-on-Tyne and Cardiff.

PRESCRIBED FOR MEMBERS OF THE ROYAL FAMILY

SUPPLIED TO HER MAJESTY QUEEN MARY'S ROYAL NAVAL HOSPITAL
ALSO TO HER ROYAL HIGHNESS THE PRINCESS LOUISE'S HOSPITAL
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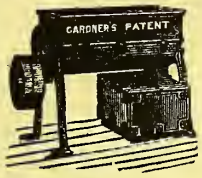

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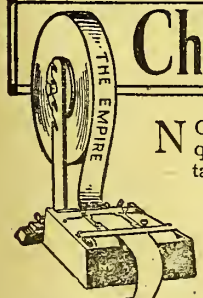

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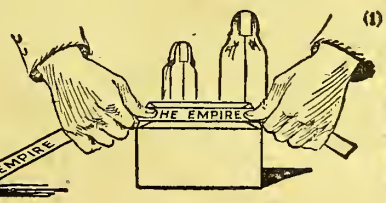

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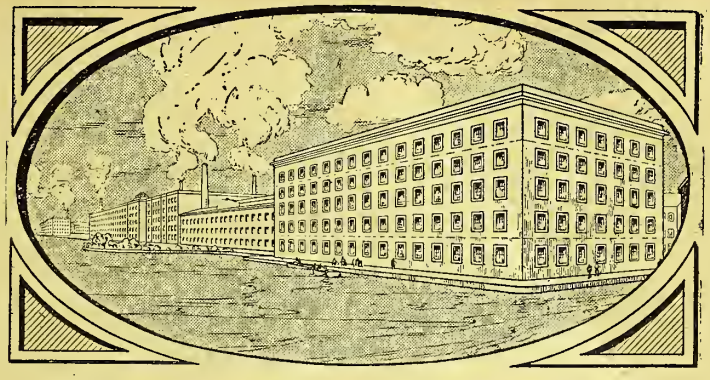

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CONTENTS: No. 5 (Series No. 1932), Vol. 89.

	PAGE
Association Winter Session	44
Births	39
Business Changes	39
Coming Events	33
Corner for Students	34
Correspondence:	
Letters	51
Subscribers' Symposium	51
Legal Queries	52
Miscellaneous Inquiries	52
Deaths	39
Editorial Articles:	
Government Action Wanted	42
Scarcity of Storax	43
German White Lists	44
The Hanseatic League	44
English News	35
European War	33
Information Department	40
Insurance Act Dispensing:	
Stock Mixtures	46
Reports	47
Notes	48
Irish News	37
Legal Reports	37
Marriages	39
Military Tribunals' Decisions	34
New Books	40
New Companies and Company News	38
Observations and Reflections	41
Personalities	39
Poisonings	36
Retrospect	52
Scottish News	37
Trade Notes	40
Trade Report	48
War Loan	34

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, February 4.

Pharmacists' Volunteer Corps, Duke of York's, Chelsea, S.W., at 11 A.M., Practical First-aid. On Wednesday and Thursday, at 2.45 P.M., Practical First-aid at 17 Bloomsbury Square, W.C.

Birmingham Chemists' Field Ambulance, Wholesale Fruit Market, Moat Row, at 10.30 A.M. Squad and company drills. The other fixtures during the week are: February 7, Thorpe Street Drill Hall, at 3 P.M. (drill); February 8, Bristol Street Council School, at 8.30 P.M. (lecture); February 10, Bristol Street Council School, at 3 P.M. (drill).

Monday, February 5.

Society of Chemical Industry, London Section, Burlington House, Piccadilly, W., at 8 P.M. Professors Gilchrist and Louis on "Basic Slag as Affecting Agricultural Development." Dr. E. J. Russell on "Artificial Fertilisers: Their Present Use and Future Prospects."

Tuesday, February 6.

Röntgen Society, Institution of Electrical Engineers, Victoria Embankment, London, W.C. Mr. E. E. Fournier D'Albe, D.Sc., on "Some Properties and Applications of Selenium."

Wednesday, February 7.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 4.30 P.M. Dr. Robert Fortescue Fox on "The Future of British Spas."

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.

Thursday, February 8.

Sheffield Pharmaceutical and Chemical Society, Imperial Rooms, Pinstone Street, at 7 P.M. Whist-drive.

European War News.

Import and Export Notices.

FRENCH COLONIES.—The "Journal Officiel" for December 31, 1916, contains a Presidential Decree, dated December 22, which provides that the prescriptions of the French law of July 12, 1916 (relating to the importation, sale, and use of poisonous substances, particularly opium, morphine, and cocaine) are to be applied in the Colonies of Martinique, Guadeloupe, French Guiana, St. Pierre and Miquelon, and New Caledonia. Similar measures have been taken in regard to French establishments in India, Indo-China, and Oceania.

NETHERLANDS.—The prohibition imposed in January 1915 on the export from the Netherlands of resin and turpentine has been extended so as to apply to turpentine, all resins, gums, asphalt, and also resinous substances, including mixtures and products thereof.

RUSSIA.—The Postmaster-General gives notice that the transmission of merchandise by post to Russia otherwise than by parcel-post is strictly prohibited. Packets which contravene this prohibition will be stopped and may be confiscated.

National Service.

Details of Mr. Neville Chamberlain's plan of National Civilian Service have been given to the Press. The scheme is to be brought into operation immediately, and a call is to be made for men between the ages of eighteen and sixty as volunteers for whole-time service in munition-works, coal-mines, shipbuilding, transport work, and agriculture. Payment will be made at the standard rate of pay in the district, and in addition a subsistence allowance of 17*s.* 6*d.* will be made if the man is taken away from his own district. It is proposed to issue letter-cards, obtainable at post-offices, upon which volunteers will give particulars of their qualifications and employment preferences. These cards will be sorted out into the districts and classified under occupations, and afterwards dealt with by the local employment exchanges. Seven days' notice of calling up will be given, and in that time the employers will be able to appeal to the local Commissioners (seven are to be appointed for Great Britain), and produce evidence that the man in their employ who has volunteered for National Service is already doing work of a character that is beneficial to the nation. Meetings are also to be held in various parts of the country in order to stimulate recruiting for the new scheme.

Distribution of Remedies.

The following Regulation has been made under the Defence of the Realm Act:

"16A. The Local Government Board may, during the continuance of the war, authorise any local authority or person to purchase and distribute any drug, medicine, or medicinal preparation specially designed for the treatment of venereal diseases, and a local authority or person so authorised, and any person obtaining a supply of any such drug, medicine, or preparation from or through them or him, shall not be liable to any action or proceedings in respect of the importation, purchase, sale, distribution, or use thereof on the ground that any patent or other similar rights are infringed thereby.

"In the application of this Regulation to Scotland and Ireland, the Local Government Board for Scotland and Ireland, respectively, shall be substituted for the Local Government Board."

Personal.

TEMPORARY LIEUTENANT C. H. JARDINE, Royal Scots, has been appointed acting captain.

CAPTAIN A. QUIBELL, Sherwood Foresters, son of Mr. Oliver Quibell, chemical-manufacturer, Newark-on-Trent, has been awarded the Distinguished Service Order.

TEMPORARY SECOND-LIEUTENANT H. G. CROWDEN, Royal Scots, has been gazetted temporary lieutenant, to date from November 8.

THE MILITARY MEDAL has been awarded to Private Alex. L Westwood, Royal Scots, who, before he joined the Army, was an analytical chemist employed by the Distillers' Co., Ltd., Glenochil.

SERGEANT JOHN S. BLAKEY, of the Lincs Regiment, who was, prior to the war, on the Lincoln staff of Boots Ltd., has been awarded the Distinguished Conduct Medal for bravery in rescuing a wounded soldier under heavy fire.

SECOND-LIEUTENANT FREDERICK G. DOIG, Royal Munster Fusiliers, attached Royal Irish Rifles, has been wounded, and is in hospital in France. Second-Lieutenant Doig is a

son of Mr. W. Doig (Doig & Co.), Belfast, and was a medical student at the Queen's University before joining the Army.

Second-Lieutenant J. Gerald Butterfield, R.F.A., son of Mr. J. W. Butterfield, chemist and druggist, of Woodside, Darwen, has been recommended for the Military Cross, having also been mentioned in despatches. When he enlisted in September 1914 he was an undergraduate of the Manchester University.

Miscellaneous.

Stevenson & Howell, Ltd., Southwark, London, S.E., inaugurated in August last a War Savings Association for their employés. It has proved remarkably successful, upwards of 100 of the staff being regular subscribers. The company purchased a large block of certificates at the outset in order that their employés might obtain full interest.

War Relief Concert.—The Rajar Concert-party connected with Rajar, Ltd., manufacturers of photographic papers, Mobberley, gave a successful concert on January 20 at Mobberley in aid of the local War Relief Fund. The entertainment realised a profit of 11*l.* 6*s.* 8*d.* This concert-party also assists in entertaining the patients at local Red Cross hospitals, and issues in connection with its visits photographic programmes which form suitable souvenirs of the occasion.

Certified Occupations.—A new list of certified occupations was issued on February 1. No change has been made in the paragraph referring to dispensing chemists, but the age limits have been raised in the case of works' chemists and certain workers in the animal charcoal industry, chemical laboratories, and in the chemical trades. Men certified as fit for garrison duty abroad (B 1) will no longer be entitled to be treated as in a certified occupation if they have not reached the age limits stated in the list.

Cocaine Supplies for Hospitals.—The Home Office has issued the following order regarding the supply of cocaine to hospitals (see *C. & D.*, December 30, p 54):

> In pursuance of the Defence of the Realm (Consolidation) Regulations, I hereby grant to all persons employed or engaged in dispensing medicines at any public hospital, or other public institution, being persons duly registered under the Pharmacy Act, 1868, a permit to purchase cocaine and opium for the use of the hospital or other institution as aforesaid, in accordance with the conditions prescribed by the Regulations.

[From the *C. & D.* Coloured Supplement, January 27.]

Enemy Patents.—The "Illustrated Official Journal" states that the application of E. J. Smith chemical works, Disraeli Road, Willesden, N.W., for use of patent 11693/10, "Electrolysis of liquids," has been deemed to be abandoned. Applications for grant of licences under applications to be vested in the custodian have been made by H. A. Taylor and D. D. Taylor, trading as The British Diamalt Co., Bishop's Stortford, for the use of patents 13928/13 and 26390/13, these being for processes of making malt extracts. The hearing takes place on February 8. Bagley, Mills & Co., Ltd., 92 Victoria Street, Westminster, S.W., are applying for the licences to work two patents belonging to Still, 22862/10 and 23459/10. The company has been granted licences to use the five Still patents for which it applied in October.

War Loan.—Among the subscriptions to the new loan are the "Sanitas" Co., Ltd., directors, 12,000*l.*; Borax Consolidated, Ltd., 62,000*l.*; John Knight & Sons, Ltd., 103,200*l.*; Johnson, Matthey & Co., Ltd., 100,000*l.*; Sir Alfred Mond, M.P., 50,000*l.*; Ward & Goldstone, 5,000*l.*; Clayton Aniline Co., Manchester, 80,000*l.*; Brunner, Mond & Co., Ltd., 500,000*l.*; William Gossage & Sons, Ltd., 50,000*l.*; Joseph Crosfield & Sons, Ltd., 50,000*l.*; Price's Patent Candle Co., Ltd., 25,000*l.* With the view of increasing the number of small applicants, G. B. Kent & Sons, Ltd., will apply for the 5 per cent. Victory Loan on behalf of any of their employés who will undertake to repay the amount at the rate of 2*s.* per week out of their wages, or 10*s.* per month out of their salaries, for every 5*l.* subscribed (*i.e.*, 95*s.*). The dividends will be credited to subscribers as received, and no charge for interest on the advance will be made.

Military Tribunals' Decisions.

Bath.—Three months' exemption was granted to F. G. Summerton, assistant with Wilson & Dickinson, chemists, George Street.

Bromley.—One month's exemption was granted to J. Arkman, chemist's assistant.

Colchester.—Six months' exemption was granted to a chemist. In opposing this case the Military Representative said that a discharged soldier of the R.A.M.C., who had previously been a qualified dispenser in the town, had called on all the local chemists, but was unable to obtain employment.—The Military Representative also appealed against the exemption of a dispenser, and suggested that his employer should drop some of his public work so as to give more time to his business. Exemption until April 1 was granted.

Folkestone.—The conditional exemption granted to Mr. G. W. Green, chemist and druggist, was replaced by one month's exemption.

Herne Bay.—Mr. T. B. Cornfoot reported that a young man who had been recommended as a substitute for his assistant cannot come, as he has been passed for general service (see *C. & D.*, January 20, p. 34).

Hitchin.—Three months' exemption was granted to Mr. J. Beddall Smith, Ph.C., director of W. Ransom & Sons, Ltd.

Lincoln.—Three months' exemption instead of six months' was granted at the Lindsey Appeal Tribunal to an apprentice with Mr. J. Hague, dispensing chemist, Lincoln.

Oswestry.—Exemption was refused to Reginald Clowes, with Boots, Ltd., but he is not to be called up until March 1.

Pershore.—The Military Representative's appeal against the exemption of Mr. Arthur C. Smith, chemist and druggist, son of Mr. A. W. Smith, dispensing chemist, was refused.

Richmond-on-Thames.—The Clerk read correspondence from a chemist at Epsom, who wishes to take over a chemist's business at Richmond, but wanted to know the views of the Richmond Tribunal before doing so. He was rejected in 1915 for hernia, but had since submitted to re-examination at Kingston, and had been passed for Class C 1. He had applied for work in connection with the Army as a pharmacist, but had been unsuccessful. The Clerk added that until the chemist takes the business and comes into Richmond that Tribunal had no jurisdiction.

Rochdale.—Exemption was refused to E. S. Brown, dispenser with Waller & Riley, Ltd., but he is not to be called up until February 28.—Exemption until April 30 has been granted to Mr. R. Whittaker, chemist and druggist.

Slough.—Three months' conditional exemption was granted to H. W. Scurr, chemist's assistant.

Surbiton.—An assistant employed by Mr. H. S. Durbin, Ph.C., was granted three months' exemption.

Wandsworth.—Mrs. Slator, Larkhall Lane, Clapham, applied for the exemption of F. Howlett, her dispenser, who dispenses about 400 prescriptions a month under the National Insurance Act. Three months' exemption was granted.—The same periods of exemption were granted to J. Coltman and W. Kilby, both of whom are dispensing under the National Insurance Act.

Weymouth.—Exemption was granted to Mr. F. G. Howard, dispensing chemist, and conditional exemption was granted to Mr. C. H. Bullock, managing director of W. T. Cole & Son, Ltd., chemists and opticians.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

Qualitative Analysis.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, February 6, on which day the samples will be posted. Students' reports will be received up to Saturday, February 17. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the fourth exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.*

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts Accepted.

The following contracts have been accepted since our last issue:

Merthyr Tydfil T.C.—Mr. V. A. Wills, chemist and druggist, drugs and disinfectants for Mardy Hospital.

St. Pancras Borough Council.—Forbes, Abbott & Lennard, soft coal-pitch in block, 1*l.* 12*s.* 6*d.* per ton; soluble creosote or disinfectant fluid, 9½*d.* per gal. J. Smart & Son, refined coal-tar, 3⅝*d.* per gal.; creosote or green oil, 4⅞*d.* per gal. Alfred C. Young & Co., disinfectant pine-fluid, 1*s.* 6*d.* per gal.; carbolic-powder, 4*s.* 10½*d.* per cwt.

Wandsworth B.C.—Adcocks, for the annual supply of disinfectants.

Westminster City Council.—D. & W. Gibbs, Ltd., for three months' supply of soap.

Registration of Business Names Act, 1916.

To carry out Section 15 of this Act, which provides for the registration of firms and persons whose principal places of business are situated in England and Wales, an office has been opened at 39 Russell Square, London, W.C., and the Registrar-General has been nominated by the Board of Trade Registrar for the purposes of the Act. For Scotland and Ireland offices will be opened in Edinburgh and Dublin. The earliest date on which it is permissible for particulars to be furnished with a view to registration is February 22. The particulars required for registration must be furnished on the forms prescribed by the Board of Trade, which will be obtainable at the principal post-offices. The registration-fee of 5*s.* is to be paid by affixing a 5*s.* adhesive postage-stamp to the form at the place indicated thereon. Separate forms will be provided for individuals, firms, and corporations. Notification will be made when the forms are ready.

The Rising Generation.

The late Professor Henry Drummond did many good things in his lifetime, but perhaps nothing better than his work for boys in the Brigade of which General Baden Powell is now the inspired leader. At the present time, when so many men are fighting for their country, they have been replaced by boys fresh from school, and it is possible that many of these boys would be benefited by inculcation of the principles so well carried out by these men. That this can be done in connection with business has been proved by Stevenson & Howell, Ltd., Southwark, S.E., who recently invited all the lads in their employment to tea, after which they were addressed by Mr. C. A. Wrench, nephew of the late Reginald Howell, and an experienced man in regard to the social welfare of London working boys and Hon. Secretary of the Federation of London Working Boys' Clubs. In an inspiriting speech, Mr. Wrench told the boys how much the nation must depend upon them, and he most earnestly appealed to them to shoulder their burden manfully and to prove themselves worthy citizens. The temptations that boys are liable to were referred to, and Mr. Wrench urged the lads to become members of a boys' club. A show of hands revealed the fact that many of those present are already members. Mr. Wrench commended the good fellowship which has always existed among Stevenson & Howell employés, and stated that the directors view with very great pleasure the excellent spirit of comradeship which prevails, and it is their earnest desire that it will continue to be fostered. Several of the employés now holding good positions on the staff commenced their business life on the lowest rungs, and have become departmental managers or hold other good positions.

Newspaper Advertisements.

A Sub-Committee of the Advertisers' Protection Society last November sent out to local Pharmaceutical Associations a letter containing the following question:

"Do you consider 'reader' advertisements as desirable or defensible, which introduce the name of a proprietary medicine into a formula containing other ingredients (which are quite simple), inducing the public to ask for this list of articles at a chemist's, then to learn that the one special article can only be bought in the original packages at a comparatively high figure?"

Forty-six Associations condemned the practice and two sent non-committal answers. The London County Pharmaceutical Association urge the Advertisers' Protection Society to take some action in the matter.

Birmingham.

Local investments in the War Loan include Mr. Alfred Bird, M.P., 100,000*l.*, and Mr. Wilfrid Hill, 5,000*l.*

Employés of Cadbury Bros., Ltd., have undertaken the supervision as special constables of a complete police-beat in the Stirchley district as from February 4.

The February list of minimum prices of drugs and proprietary articles, published by the Birmingham Pharmaceutical Association, was issued promptly to time.

A fire occurred this week at the Midland Vinegar Brewery Co.'s works, Tower Road, Aston. The steam-shaft and roofing of the store-room took fire, but after twenty minutes' work was got under control.

Mr. Andrea Angel, the chemist killed in the munitions explosion last week (*C. & D.*, January 27, p. 65), received part of his education at the Five Ways Grammar School, his father being an Excise officer in Birmingham at the time.

Liverpool.

Boys of new classes are being drawn into the chemists' shops for errands and occasional odd jobs. One of this ilk lately earned and received a sound thrashing from his father. The parent had a cough, and a boy handed him, during the sermon in church, a couple of purloined capsules. These contained sandalwood oil, and the results to the father were painful. He bore his suffering in silence, and later did his best to explain to the Vicar why he kept on pulling wry faces at the preacher!

From thirty to forty members of the Liverpool Pharmaceutical Training Corps attend the Royal Institution on Monday and Thursday evenings for ambulance training, Dr. Murray Cairns being the lecturer, assisted by two certified nurses from the Myrtle Street Military Auxiliary Hospital. The examination for certificates has been conducted this week by Dr. Llewelyn Morgan, and the results are to be announced shortly. It is anticipated that the Corps will be attached to the Voluntary Aid Detachment, and put on the rota for hospital work.

The Bishop of Liverpool (Dr. Chavasse, the son of a late well-known Birmingham medico) prefaced a temperance address on Monday evening with a popular dissertation on the uses of alcohol. It had been stated, he remarked, in a section of the Press that "God made alcohol." So he did, said the Bishop, and He likewise made arsenic and strychnine, each having medicinal and industrial values. Many, in fact, were the beneficent uses of alcohol. For example, in anæsthetics, in power for drawing motors, and in making explosives. It was a misuse of alcohol for the production of intoxicants.

Manchester.

Several more local assistants have received their calling-up notices within the past few days. A pharmacist in business in the south-west part of the city has also received notice.

The Manchester and District Decimal Association has issued a circular urging that this is a peculiarly opportune time for adopting the decimal system of coinage and weights and measures.

Mr. G. A. Mallinson, the Superintendent of the Central Checking Bureau, on his way through Manchester on January 24 had a chat with a few pharmaceutical friends as to how things are progressing at headquarters.

The Pharmaceutical Committee has issued a leaflet with instructions as to the filling-up of the forms which have to be sent monthly to the Chief Recruiting Officer, Major D. Walkley, Manchester. Chemists should see that they send in their return at once, as neglect makes them liable to a penalty.

The Secretary of the Panel Committee has written to the Insurance Committee suggesting that the accounts due to the doctors for 1916 should be paid off as soon as possible, in order to enable them to invest the money in the new War Loan. The communication was read at a meeting of the Insurance Committee at the Manchester Town Hall last week, and it was unanimously decided to fall in with the wishes of the medical men.

The Order by the Minister of Munitions respecting photographic lenses has caused a great deal of uncertainty in the ranks of amateur photographers. A well-known pharmacist and photographer has been consulted by quite a number of amateur photographers respecting their cameras. "Very few photographers, amateur or professional, possess any of the various classes of lenses named in the order issued by the Minister of Munitions," is the opinion expressed by a well-known photographic dealer in the city.

Sheffield.

The Governors of the University have unanimously adopted an alteration of Statute 23 so as to allow Birmingham to join with Manchester, Liverpool, Leeds, and Sheffield in establishing the Northern Matriculation examination.

The South Yorkshire Poor-law officers have appointed Mr. H. Antcliffe as their representative Councillor to the National Poor-law Officers' Association, Incorporated. He has also been appointed as one of the delegates to present evidence before the Local Government Board on the Poor-law orders.

The second half of the session has commenced of the evening classes in chemistry, botany, pharmacy, and materia medica. There is every likelihood of the attendance being seriously affected through the alteration of the suburban train service and the earlier calling-up of youths for military service.

Pioneer E. A. Ecob, chemist and druggist, of the Chemical Section of the Royal Engineers, while on final leave before going to France, had his foot crushed, which has necessitated his removal to a military hospital. Pioneer Ecob was manager at Boots Ltd. Highfield branch before joining the Army.

The Brightside and Carbrook Co-operative Society seem to have made a good choice in taking over the business of the late Mr. Ellinor on Spital Hill, and the Society are doubtless highly pleased with their second venture in pharmacy. Mr. Robinson is to act as buyer for the whole of the drug department.

Miscellaneous.

EAST HAM TOWN COUNCIL has passed plans for a factory, being an addition to the factory of Burgoyne, Burbidges & Co., Ltd., in High Street South.

OPIUM REGULATIONS.—Two Chinamen were fined 40*s.* each at the Thames Police Court on January 29 for being in possession of opium prepared for smoking.

MEDICAL OFFICER'S REMUNERATION.—The Chipping Sodbury Guardians have granted their medical officer an increase of 20*l.* per annum for the period of the war, in consideration of the extra cost of drugs and petrol.

LONDON RETAIL TRADERS' ASSOCIATION.—This Association for retailers in the City of London has been formed, and invites applications for membership. The temporary address is London Chamber of Commerce, 97 Cannon Street, E.C. Mr. Hedley Miller is the Secretary (*pro tem.*).

EARLY CLOSING.—All the chemists in the borough of Luton having voted in favour, a closing order under the Shops Act, 1912, is to be made. The closing-hours will be: Monday, Tuesday, Thursday, and Friday, 7 P.M.; Wednesday, 1 P.M.; Saturday, 10.30 P.M., with the usual exceptions as regards Bank Holidays.

EMPIRE RESOURCES DEVELOPMENT COMMITTEE.—This Committee, with Sir Starr Jameson, Bart., as Chairman, has been formed for the purpose of advocating the conservation and development, for the benefit of the Empire, of the natural resources of the British Empire. The address is Seymour House, Waterloo Place, London, S.W.

ROGERSON & SON, chemists, Darley Street, Bradford, have, for the second time in succession, been awarded the first prize of 25*l.* offered by Wright, Layman & Umney, Ltd., for a window dressed with Wright's coal-tar soap. A realistic representation of a "tank" operating on the Western battle front was the central figure in the display.

MILITARY SERVICE ACT.—George Albert Gower, described as a chemist "by experience," but not a pharmacist, was arrested at Southend on January 25 and charged with being an absentee from military service. He stated that he had disposed of his business and applied for a position as analyst at a munitions factory. He was remanded to await an escort.

SUNDAY TRADING.—The Early Closing Association is turning its attention to the best means of dealing with the increase in Sunday trading, and has sent a memorial on the subject to the Home Secretary. The Board of the Early Closing Association is also taking steps to ascertain the views of traders throughout the country as to the advisability of closing a whole day instead of a half-day weekly.

COCAINE PROSECUTION.—An actor named Edouin was charged at Middlesbrough on January 23 with attempting to obtain cocaine. He presented a prescription ordering cocaine at the pharmacy of Mr. J. L. Robinson, Ph.C. The prescription, which did not contain the words "Not to be repeated," bore the name "Dr. Henderson, Wingate Square, Chelsea," but the name could not be found on the Medical Register. Defendant was bound over in the sum of 25*l.* for six months, to come up for judgment if called upon.

ANALYST'S REPORT.—During the last quarter the Lambeth public analyst examined five samples of cream of tartar (four informally taken) and five samples of Epsom salt (four informally taken). One informal sample of cream of tartar contained an excess of arsenic. The formal sample of Epsom salt contained 60 parts lead per million. Of nine samples of baking-powder, all informally taken, four were reported against. In three cases the samples contained an excess of arsenic, while in the remaining case the acid calcium phosphate employed in the manufacture of the baking-powder contained an excess of calcium sulphate.

VENEREAL DISEASES.—A deputation from local authorities waited on Lord Rhondda, President of the Local Government Board, on January 24, to submit reasons for urging that unqualified practitioners should be prevented from undertaking the treatment of venereal diseases. Several representatives of medical bodies were also present. Lord Rhondda, having listened to the deputation, said he could not commit the Government that day to any particular form of legislation, but legislation to give effect to the recommendations of the Royal Commission on Venereal Diseases is required, and will probably be brought in at a very early date.

BANK CASHIER COMMITTED.—Mr. A. W. Ryder, chemist and druggist, of High Street, Rochester, was one of the principal witnesses at the Rochester Police Court on Tuesday, in a case in which Edmund Lancelot Fagge, formerly first cashier at the Rochester branch of the London and Provincial Bank, was committed for trial at the forthcoming Kent Assizes on charges of embezzlement and falsification of accounts. On December 11 Mr. Ryder sent 151*l.* 8*s.* 5*d.* to the bank, and it is alleged that the defendant retained the whole of the money and cheques, and made no entry of the transaction in the books of the bank. Evidence in two other similar cases was also given.

CONSPIRACY CHARGE.—At Derby on February 1, three women and a man were charged with conspiring to murder the Prime Minister and Mr. Arthur Henderson. The proceedings were instituted by the Director of Public Prosecutions. Evidence of arrest was given, and the case was adjourned until next week. The male prisoner is Alfred George Mason, chemist and druggist, who passed the Minor in 1914. He was apprenticed at Southampton, and studied for his examination at the local University College. Recently he was appointed to the staff temporarily to carry out some of the duties of Mr. E. R. Marle, the lecturer in pharmacy. He also acted as a part-time assistant to a local firm of chemists.

POISONINGS.—The deaths from poisoning which have occurred since our last report include the following: Colonel C. W. F. Gorrell, of the Canadian Army Medical Corps, poisoned himself at Paddington by means of hydrocyanic acid.—The same poison was employed at Worcester by Mr. R. J. Bushnell, veterinary surgeon, who had been discharged from the Army as an accident had rendered him unfit for service.—At Plymouth, Captain Hugh R. E. Macdonnell and his wife were found dead at an hotel, having been poisoned by potassium cyanide.—A Belgian soldier's wife poisoned herself with strychnine at Westminster. It was stated that an unopened phial of poison was found in the woman's room that had been supplied by a West-end chemist nearly six years ago.

PHARMACIST VOLUNTEER CORPS.—The N.C.O.s and men of this Corps held a smoking-concert at the Duke of York, Chelsea, on January 18, and entertained their officers, and also the 1st and 2nd London Sanitary Companies. The chair was taken by Sergt.-Major Wells, who said the Pharmacist Corps was greatly indebted to their Regular comrades, both for the lectures and practical help they had given them, also for the use of their sanitary exhibition, which was a great asset to them in constructing their own at Brockwell Park. Sergt.-Major Wilmhurst, 2nd London Sanitary Company, replied. In responding for "The Officers," Sub-Commandant Atkins expressed the pleasure it gave him and his brother officers to be with them that evening, and said he was still as proud now as when he was elected two years ago of being their C.O. While regretting that so far the Corps had not received their official recognition, he had great hopes they would do so in the near future. "The health of the Sergeant-Major" was accorded musical honours, and Sergt.-Major Wells suitably replied. A lengthy programme was contributed to by Sub-Commandant Atkins, Adjutant March, Mr. Jenkins, Sergt.-Major Wilmhurst, Quartermaster-Sergeant Luke, Sergeant Watson, Corporals Wathan and Allen, Privates Dawson, Fox, Whitehead, Dutton, Lethe, Bugler Caton, and Mr. Milner; Lance-Corporal Basdon, 1st London, being at the piano.

Irish News.

Brevities.

Mr. R. Andrew, Ph.C., presided at the annual dinner of the Belfast Scottish Association on Burns' night.

At the last meeting of the Cork Board of Guardians an increase of 10*l.* per year was granted to Mr. O'Sullivan, Ph.C., compounder to the Union.

Mr. P. J. Fielding, Ph.C., Patrick Street, Cork, has secured the contract for the supply of medicines and medical appliances to the Cork Charitable North Infirmary.

Mr. J. Simpson White, M.B., B.Ch., late aural house surgeon St. Bartholomew's and house surgeon St. Thomas's, London, has obtained a commission in the R.A.M.C. Dr. White is a son of Mr. T. White, Ph.C., late of Queenstown.

The "Dublin Gazette" of January 27 contained revised regulations under the Pharmacy Act, 1908, regarding the sale of poisons for agricultural purposes. These are provisional, and objections may be lodged at the office of the Privy Council, Dublin Castle, within forty days.

Captain R. J. Buchanan, Royal Irish Rifles, who was severely wounded last year in France, has, on recovery, been posted to the 19th Battalion of that regiment at its home station. Captain Buchanan before joining the Army was manager of the photographic department of Wm. Dobbin & Co., Ltd., North Street, Belfast.

At the annual meeting of Coleraine Urban District Council on January 23, Mr. R. F. McCartney, Ph.C., was elected Vice-Chairman for the ensuing year. Mr. F. T. Smith, J.P., R.D., retired from the chairmanship of Antrim Urban Council on the same day on completion of his year of office. Mr. Huston Lancashire, Ph.C., was unanimously re-elected Chairman of the Ballymena Urban Council.

The Local Government Board has written the Bawnboy Guardians, stating that from the documents forwarded in connection with the claim for recoupment out of the local taxation account in respect of their medical expenditure for the half-year ended September 30 last, the cost of medicines and medical and surgical appliances procured during that period for use in the workhouse and the several dispensary districts of the Union was unprecedentedly high in view of the number of patients recorded as having been treated. The Board asks to be furnished with any observations which the Guardians may desire to offer in regard to the matter. The medical officers are to be asked for their opinions on the subject.

Scottish News.

Brevities.

One of the reasons put forward for the recent increase in the price of honey is that bakers and confectioners are now using large quantities in place of sugar and glycerin.

An address by Mr. A. McCutcheon was the dominant feature of "A Nicht wi' Burns" at Newtonmore on January 25. The "Badenoch Record" devoted about a column to Mr. McCutcheon's address.

The position of shale-oil workers as exempted persons is fairly well understood, but at the Linlithgow Tribunal last week the fact was emphasised that this does not extend to clerks, assistant timekeepers, and chauffeurs employed at the oil-works.

At Falkirk Sheriff Court on January 27, a Chinaman named Foo Ching was charged, under the Defence of the Realm Regulations, with having 76 gr. of opium in his possession, he not being an authorised person or licensed to import opium. He pleaded guilty, and a penalty of 3*l.* 3*s.*, or fifteen days' imprisonment, was imposed.

Edinburgh.

Chilblains appear to have been more than usually prevalent this winter, and chemists who make displays of remedial ointments report very large sales.

There is a good demand for saccharin-tablets. A shopkeeper in the Kingdom of Fife informed the writer that he sells them at four a penny, and has quite a big sale for the tablets at that rate.

Glasgow.

With the view of encouraging the growing of medicinal plants a meeting was arranged to be held in the Christian Institute, Glasgow, on February 2. Mr. Alfred Wolfe, of the Herb-growing Association, is to address the meeting.

Legal Reports.

Medicine-stamp Acts.—At Wallasey on January 24, Selina Evans, herbalist, charged with selling "Bill Bailey's corn-tickler" and anti-catarrh smelling-salts, unstamped and without a licence, was fined 3*s.* 6*d.* in each case, and 2*l.* 2*s.* costs.—At Eccles on January 22, Stephen Ashcroft, 89 Church Street, was fined 10*s.* 6*d.*, and 10*s.* 6*d.* costs, for selling a box of pills described as "Jumping Toothache Cure" without stamping the box. Mr. W. R. Carlisle, who prosecuted for the Excise Department, stated that about ninety cases of alleged offences against the Medicine-stamp Acts are being dealt with in the district.

White Pepper.—Judgment was given by Dr. Neilson, the Stipendiary Magistrate, in Glasgow Central Police Court on January 23, in a case in which a shopkeeper was charged with selling packets of white pepper which on analysis were found to contain 10 per cent. of wheat starch. The Stipendiary, in the course of his considered decision, remarked that the packets bore the label "Genuine table white pepper," and the explanation offered by the manufacturers was that the addition of wheat starch was to improve the appearance. Wheat starch, it would seem, does not import anything unwholesome into the compound, but it is an ingredient entirely foreign to pepper. The main line of the defence was that the label stated that the packets contained "genuine table white pepper." This defence could not stand. It was not proved to the Magistrate that there was any recognised commodity known as "table white pepper." A fine of 10*s.* 6*d.* was inflicted, and the Stipendiary was asked to state a case for the purpose of an appeal.

Sale of Panopepton.—At Southport Police Court on January 25, Mr. Frank Battersby, dispensing chemist, Shakespeare Street, Southport, was summoned for selling wine by retail without having a licence as required by the Finance Act, 1909-10. He was also charged, under the Medicine Stamp Acts, with selling bottles of Dr. Scott's cough-linctus unstamped or insufficiently stamped. Mr. Mawdsley, for defendant, pleaded guilty to technical offences. Mr. C. V. Walker, who prosecuted, said that at 11.30 A.M. on August 16 an inspector purchased from defendant himself a bottle of panopepton, for which he paid 2*s.* 3*d.* Defendant on September 8 admitted that he knew a licence was required for the sale, and stated that he only sold small quantities—never more than six ounces—on doctors' prescriptions. In regard to the charges under the Medicine Stamp Acts, two purchases were made of Dr. Scott's cough-linctus, and the medicines were sold unstamped. When the attention of the assistant was called to unstamped bottles in a showcase, he stated that the preparation was kept unstamped, but always stamped before sale. The stamps which the assistant produced were of the old series issued nearly twelve months previously. Evidence was then given on the points referred to by Mr. Walker. Mr. A. F. Hall, Surveyor of Customs and Excise, cross-examined by Mr. Mawdsley (for the defence), said the Commissioners of Excise have not allowed the sale of panopoton on doctors' prescriptions either by custom or courtesy. Mr. Mawdsley admitted a technical offence. It was owing to the defendant's being short-staffed that the cough-linctus was not stamped when made. There was no intention to defraud the revenue. The panopepton had been sold without a doctor's prescription in error, but Mr. Battersby had no recollection of the sale. Defendant gave evidence to this effect. Some conversation took place in court regarding the alleged delay in bringing the cases, but Mr. Walker said defendant had been informed that proceedings would be taken. The Chairman of the Magistrates said the case had been gone into very carefully, and defendant would be fined 15*l.*—5*l.* in the wine case and 2*l.* 10*s.* in the two medicine cases, and 5*l.* expenses.

The Vinegar Standard.—Mr. Walter Colley, dispensing chemist, Sherlock Street, Birmingham, was charged at the Police Court on January 26 with having sold, to the prejudice of the purchaser, vinegar deficient in the amount of acetic acid which genuine vinegar should contain. Mr. F. C. Minshull, prosecuting solicitor, said the sample of vinegar in question had been prepared not by fermentation, but by diluting acetic acid. It contained, according to the analyst's certificate, 3.4 per cent. impure acetic acid, 0.4 solid colouring-matter, and 96.2 water. Birmingham Quarter Sessions in 1893 upheld a conviction in a case where a sample contained 4.7 of impure acetic acid, it being held that the substance was wrongly described as vinegar. In 1908 Dr. Hamill, in his report to the Local Government Board expressed the view that nothing under 4 per cent. merited the name of vinegar. Since then there

had been many prosecutions in respect of vinegars under 4 per cent., and 4 per cent. was regarded as a proper standard by the trade. Mr. J. F. Liverseege, Ph.C., F.I.C., city analyst, agreed that there are no legal standards except for butter, milk, and spirits, and it is left to the analyst to decide whether any particular sample is genuine or adulterated. The standard laid down by the B.P. 1885 for vinegar as a drug was 5.41 of acetic acid. Mr. Liverseege said the Sale of Food and Drugs Act was his authority for fixing a standard, as the Act states that the analyst shall certify whether the sample is genuine or adulterated. To do that the analyst had to fix a standard. If he had no such power he would have to pass as genuine everything except the three things mentioned—butter, milk, and spirits. The defendant, in his evidence, said he aimed at 4 per cent. of acetic acid, but he had never heard of a standard. He did not ask for a warranty with the acid because he was dealing with a respectable firm, and knew what he had been in the habit of receiving. Sir Thomas Barclay said the Magistrates were of opinion that genuine vinegar should contain at least 4 per cent. of acetic acid, and that therefore an offence had been committed. Defendant however, had been doing his best to supply vinegar which he thought was right, and in the circumstances the case would be dismissed, the defendant to pay the costs.

Camphorated Oil.—At Birmingham on January 26, Mr. Fredorick Barlow, dispensing chemist, 167 Mary Street, Balsall Heath, was charged with selling camphorated oil not of the nature, substance, and quality demanded. Mr. F. C. Minshull, who prosecuted, said that a substance was supplied which contained 22 per cent. of camphor and 78 per cent. of mineral oil instead of olive oil, as required by the British Pharmacopœia. The assistant stuck a printed label on the bottle with the following notice: "Camphorated oil made with liquid balsaline instead of olive oil." The words "made with liquid balsaline instead of olive oil" were in very small type, and as regards the word "balsaline," neither analysts nor men of science had any knowledge of its meaning. Mr. J. J. Pritchard (defending) said the word had been used for more than thirty years. Sir Thomas Barclay (Chairman of the Bench): At any rate, it does not mean olive oil. Mr. Minshull said the assistant Gascoyne admitted that he did not inform the purchaser that olive oil had not been used. When asked what balsaline was, he said he thought it was cottonseed oil, and that the name was chosen by Mr. Barlow. The medical officer of health for the city was of opinion that the mineral oil in the sample was injurious to health, inasmuch as when applied to sensitive skins it might cause an eruption. The chief inspector, as witness for the prosecution, said, in cross-examination, that the analysis showed an excess of 10 per cent. of camphor over the amount stipulated by the B.P. He had no difficulty in reading the words printed on the label, but he thought an ordinary customer would. Dr. Robertson, medical officer of health for the city, said that any mineral oil would be liable to produce an eruption on susceptible people. The extra 10 per cent. of camphor in the oil was of no importance beyond showing that the mixture was generously made. Mr. Pritchard, for the defence, said there is nothing in law to prevent a chemist from making up camphorated oil different from the B.P. formula, provided it is not injurious to health and that he notified the purchaser. Mr. Barlow had prepared camphorated oil in the manner described for thirty years, and had used the identical label for something like twenty-five years. Mr. Harry Fowler, for the defence, said that in his view paraffin oil is not injurious to health, but is painless and harmless, and can be applied to raw wounds. He did not agree with the statement in Rambousek's "Industrial Poisoning" that crude petroleum or its derivatives might produce injurious results. Mr. Barlow, in the witness-box, said he sold nearly a gallon a week of camphorated oil, and customers had brought back the B.P. oil and asked for the other in preference. The reason the B.P. preparation was not supplied on the present occasion was because, owing to shortage of staff, the supply of oil had not been replenished from the stores, which are at another shop. He coined the word "balsaline." After consultation, Sir Thomas Barclay said the Magistrates had come to the conclusion that there had been no sale to the prejudice of the purchaser, and they therefore dismissed the information. Mr. Pritchard applied for costs, but was refused.

The Netherland Consul-General informs us that from February 26 to March 10 next a Fair for the purpose of promoting the trade and the industries of the Netherlands, the first of a series of annual Fairs, will be held at Utrecht. Those interested can obtain all information from the Algemeen Secretariaat, Jaarbeurs, Utrecht, Holland.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Parkinson's Herbal Stores, Ltd. (P.C.).—Capital 500*l*. Objects: To take over the business of a herbalist recently carried on by the late J. Parkinson at Oldham. R.O., 17 Lees Road, Oldham.

Metzo, Ltd. (P.C.).—Capital 25,000*l*. Objects: To carry on the business of manufacturers of and dealers in sensitized and chemically treated papers, plates and films, for photographic, engineering, printing, and other purposes, etc. R.O., Scots Bridge Mill, Rickmansworth.

S. Murray & Co., Ltd. (P.C.).—Capital 1,000*l*. Objects: To carry on the business of manufacturers of and dealers in surgical instruments and appliances, druggists' and chemical materials and appliances, proprietary articles, toilet-requisites, scientific and optical instruments, hospital-requisites, etc. R.O., 21-3 Charles Street, Hatton Garden, London, E.C.

G. B. Kent & Sons, Ltd.—The report of the directors for the year ended September 30, 1916, states that after allowing for bad and doubtful debts, depreciation, etc., there is a balance of profit of 15,909*l*. 8*s*. 9*d*., to which have to be added the balance brought forward from the previous year and the transfer-fees. On the other hand there are to be deducted interest on mortgages and loans, income-tax, and directors' fees, also interim dividend on the preference shares duly paid, leaving a balance of 13,378*l*. 13*s*. 2*d*. for distribution. Business has been extremely difficult, but the sales have again constituted a "record." The mortgage on the country factory has been paid off without reborrowing. The stock is abnormally high, owing to purchasing raw materials in advance, and the difficulty of getting goods for export on board ship. The board have paid the usual half-yearly dividend on the preference shares, placed 1,000*l*. to reserve, and after paying the life directors' fees (2,100*l*.), recommend a dividend of 8 per cent. on the ordinary shares, absorbing 9,002*l*. 10*s*. and leaving 4,376*l*. 3*s*. 2*d*. to be carried forward.

Parke's Drug Stores, Ltd.—The annual meeting was held at 65 Harmood Street, London, N.W., on January 30, Mr. P. Warnford-Davis, J.P. (chairman of directors) presiding. In moving the adoption of the report (*C. & D.*, January 20, p. 39) the Chairman said it would be agreed that the results of the past year reflected great credit upon the managing director and the management generally. With regard to the 400*l*. placed to stock reserve fund, if times had been nominal he doubted whether this would have been thought necessary. In his view, however, there was a good deal more than a possibility of peace being proclaimed during the present year, and in that event there would be a great risk of loss unless stock were taken in a very conservative manner. There would be a large drop in values on the proclamation of peace, and therefore the directors preferred, if they erred at all, to err on the safe side. The amount available for division exceeded that of last year by over 600*l*., which was gratifying. The stocks were up by something over 3,000*l*., the total being close upon 50,000*l*. Bottles and all kinds of pots in which they sent out their products had quadrupled in price during the last twelve months. Mr. Joseph F. Forster seconded the motion, which was unanimously adopted.

Camwal, Ltd.—The report for the year ended September 30, 1916, states that the net profit is 1,640*l*., which, with the amount of 1,613*l*. brought forward, makes 3,254*l*., out of which the directors recommend the payment of 2½ per cent. on the cumulative preference shares, leaving 7½ per cent. due on these shares to September 30, 1916. This will leave 2,017*l*. to be carried forward. The addition to the Harrogate factory was completed early in the year, and has proved of great value to meet the steadily increasing trade in Aquaperia, which is essentially a new British industry, supplanting German, Austrian, or other enemy aperient waters, both at home and abroad. The effect of the mineral-water tax has been disastrous to the profits of the trade throughout the Kingdom, but, at the same time, the company have benefited the country—directly by supplying Government hospitals, camps, etc., and indirectly by the payment of large sums to the Government out of all proportion to profits. Shareholders are asked to vote the usual remuneration to the chairman and directors—viz., 440*l*. for the year ending September 30, 1917. Mr. H. Davenport retires from the board of directors, but offers himself for re-election. The annual meeting is at Frascati's, Oxford Street, W., on February 8, at 2.30 P.M.

Births.

RITCHIE.—At 200 High Street, Montrose, on January 23, the wife of A. Wemyss Ritchie, dispensing chemist, of a daughter.

TAYLOR.—At Market Place, Inverurie, on January 21, the wife of William S. Taylor, dispensing chemist, of a daughter.

Marriages.

BOWLER—SCOTT.—At St. John's Church, Buxton, on January 31, by the Rev. H. E. Field, Vicar of Ambergate, E. Edward Bowler, chemist and druggist, Belper, to Florence E. Scott, Palace Villa, Buxton.

ROBSON—NICOLL.—At All Souls', Leeds, on January 20, by the Rev. S. F. Gregson, M.A., Vicar of the parish, William Fraser Robson, chemist and druggist (with Reynolds & Branson, Ltd.), to Ethel Maud, second daughter of Dr. William Nicoll, Fort William (late of Arisaig, Inverness-shire).

WEST—AITKEN.—At Dartford, on January 28, Leonard A. West, pharmacist, Dartford, to Ida Muriel Aitken, younger daughter of Mr. and Mrs. James Aitken, Dartford.

Deaths.

BADCOCK.—At 101 High Street, Lymington, Hants, on January 16, Mr. Henry Badcock, chemist and druggist, aged seventy-five. The late Mr. Badcock carried on business in the town for many years, and acted as Mayor in 1887.

CHALMERS.—On November 30, suddenly, at Lewisham Private Hospital, Sydney, N.S.W., after operation for appendicitis, Annie Elizabeth Gilliland (Nan), dearly beloved wife of Mr. J. B. Chalmers, of Alex. Wilson & Co., Sydney, and late of Duncan, Flockhart & Co. and Pinkerton, Gibson & Co., Edinburgh.

LATTO.—At 1 St. Michael's Villas, Wray Street, Ryde, I.W., on January 28, Aileen Margot Sylvia, aged seven, second daughter of Mr. Robert Latto, chemist and druggist.

METCALFE.—At 29 Lister Street, Ilkley, on January 28, Mr. Anthony A. Metcalfe, chemist and druggist, Great Horton, Bradford, aged eighty. Mr. Metcalfe was in business at Bradford for thirty-six years, but retired in 1899.

RECKITT.—At Butlers Court, Beaconsfield, on January 25, Mr. Francis Reckitt, aged ninety. He was a brother of Sir James Reckitt and one of the founders of Reckitts, Ltd., Hull.

SIMPSON.—At 105 Denton Street, Carlisle, on January 22, Rhoda, wife of Mr. Peter Simpson, sen., chemist and druggist, aged fifty-six.

SMOLLETT.—At 282 Union Street, Torquay, on January 12, Mr. Charles Alexander Smollett, chemist and druggist, aged thirty-three.

THOMAS.—At Bank Buildings, Rhos Road, Rhos-on-Sea, Colwyn Bay, Mr. Henry Egerton Thomas, chemist and druggist, aged thirty-four. Mr. Thomas was for eight years manager to Mr. E. A. Neill, chemist, Rhos-on-Sea.

VINCENT.—At 179 Wimbledon Park Road, Southfields, London, S.W., on January 16, Mr. George Bernard Vincent, chemist and druggist, aged thirty-five.

Died on Service.

BOWMAN.—Lieutenant William Powell Bowman, Royal Flying Corps, who was reported missing on October 17, is now known to have been killed on that date in France. He enlisted in September 1915 in the Royal Engineers as despatch-rider, and, receiving a commission in January 1916, he was gazetted to the West Yorks Regiment. He volunteered for the Royal Flying Corps in the early part of 1916, obtaining his "wings" in June. He was sent to France immediately, seeing much active service. On one occasion he was attacked by four German machines, and, although his observer was shot, his engine and planes damaged, and his petrol-tanks empty, he was successful in landing his machine from a height of 9,000 feet within the British lines He was educated at Southcliffe School, Filey, and Uppingham, and at the time war was declared was a student at the Leeds University. His father, Mr. W. P. Bowman, is proprietor of Goodall, Backhouse & Co., Leeds, and was looking forward to his son joining him in the management of the business after his University career was finished.

LIMON.—Private Henry Limon, of the Hon. Artillery Company, only son of Mr. H. J. Limon, chemist and druggist, 25 High Street, Hailsham (Sussex), has been killed in action. He was twenty-five years of age, and served his apprenticeship to pharmacy with Mr. Arthur Mills, Eastbourne. He enlisted in December 1915, and in January 1916 passed the Minor examination. He had been fighting on the Sommo since last October.

Personalities.

THE VERSES on "The Cachet" and "The Pill" in our Winter Issue were by Mr. George F. Corrall.

MR. A. ASHFIELD, Ph.C., High Street, Shanklin, has been appointed Organist and an Installation Steward of the Chine Lodge of Freemasons.

MR. W. B. TRICK, J.P. (Lewis & Burrows, Ltd.), is recovering from a rather severe attack of influenza and bronchitis which has laid him aside this month.

SECOND-LIEUTENANT AND ADJUTANT WILLIAM GILBERT SAUNDERS, Ph.C., Liverpool, who was killed in action on September 6, left estate valued at 918*l.* 15*s.* 10*d.*

ALDERMAN D. T. EVANS, J.P., chemist and druggist, High Street, Margate, has been elected on the Executive Committee of a War Savings Association formed for the town.

DR. E. C. BIGGER, Medical Commissioner of the Local Government Board for Ireland, has been appointed a member of the General Council of Medical Education and Registration.

MR. JOHN HOPE, Stoneraise, Broad Oak Road, Worsley, and 332 Deansgate, Manchester, chemist and druggist, who died on October 15, left estate valued at 4,160*l.* 14*s.* 6*d.* gross and 3,311*l.* 6*s.* net personalty.

MISS EMMIE PENNINGTON-UTTLEY, daughter of Mr. J. R. S. Uttley, pharmacist, Rotherham, has passed the Cambridge Senior Local examination held in December 1916 at Mansfield. Miss Pennington-Uttley is a pupil at Queen Elizabeth's Grammar School, Mansfield.

SIR RICHARD WINFREY, Parliamentary Secretary to the Board of Agriculture, stated at a War Loan meeting at Peterborough on July 27 that so far as he was concerned he had compulsorily to do his part, as he had been told that his salary was to be paid in War Loan.

THE FUNERAL of Mr. Andrea Angel the chemist who lost his life in the explosion at a munition-factory in East London (*C. & D.*, January 27, p. 65), took place on January 27. A memorial service was held at the Cathedral, Christ Church, Oxford, on January 28, among those present being his brother, Mr. L. V. Angel.

MR. S. KENWORTHY, who has been with Boots, Ltd., for the past ten years, has been appointed to a position with British Dyes, Ltd., in connection with the sales department of the fine chemicals which the company is now manufacturing. We understand that the range of pharmaceutical chemicals is to be much extended so soon as the pressure of war work allows.

MR. ERNEST SANGER, who is a member of the L.C.C., representing West Marylebone, and a member of the Borough Council, entertained 200 wounded soldiers to tea at the Central Hall, Westminster, on January 27. The tea was followed by an excellent musical programme, at the conclusion of which three hearty cheers were given for Mr. and Mrs. Sanger and their daughters.

Business Changes.

JESSE WILLIAMS, LTD., chemists and druggists, have taken central premises at Westgate, Dewsbury, which are being fitted up as a branch of their business.

MR. J. G. MARSHALL, chemist and druggist (late with Boots, Ltd.), has opened a pharmacy in King Street, Belper. The whole of the fittings were supplied and fixed by Mr. H. Mills, Old Street, London, E.C.

THE FINDINGS of the Insecticide and Fungicide Board of the U.S. Department of Agriculture show that many of the popularly supposed insecticides are of no value against certain insects. For example, sodium fluoride, a powerful toxic agent if taken internally, is found ineffective against the bedbug, probably because that insect cannot be induced to eat it. On the other hand, it destroys the roach because this insect will eat foods containing it.—*Journal of the American Medical Association.*

Trade Notes.

Petroleum Jellies.—James Arnott & Sons, Ltd., Newcastle-on-Tyne and Cardiff, advertise in this issue petroleum jellies and heavy oils.

"Shiftit."—Mr. Montague C. Rock, Ph.C., Maidenhead, writing in regard to Shiftit (*C. & D.*, January 27, p. 110), informs us that he is the originator of this preparation.

Chemical Plant.—The name of the London representative of Danto Rogeat & Cie., 33 to 39 Chemin des Culattes, Lyons, is Mr. H. Sloog, 51 Anson Road, Cricklewood, N.W. (see *C. & D.*, January 27, p. 111).

Parakao is the name of an improved preparation for use in the treatment of burns and trench-feet which is being supplied in large quantities to various hospitals by John Bell & Croyden, Ltd., 50 Wigmore Street, London, W.

Printing.—The attention of firms requiring alteration in their printed matter in order to comply with the Registration of Business Names Act is directed to an advertisement in this issue of Suttley & Silverlock, Ltd., Blackfriars Road, London, S.E.

Eucryl, Ltd., referring to the note which appeared in the *C. & D.*, January 27, p. 111, ask us to state that it is intended to deal with all orders from Scotland and the four northern counties at the new depôt which has been opened at Glasgow.

British Industries Fair.—Ward & Goldstone, electrical engineers, Sampson Works, Salford, Manchester, are exhibiting at the Exhibition which the Board of Trade is organising at South Kensington. Electric pocket-lamps are to be a feature of the exhibit.

The P.A.T.A. List has been extended by the addition of J. G. Ingram & Son's, Ltd., specialities, including "Eclipse" and Omega circular air-cushions and "Eclipse" crutch boots, Lysol, "Pebeco" and Osyl tooth-paste, Smith Maurice's Healo, and Hedley's malted milk.

Sugar Scarcity.—Brook, Parker & Co., Ltd., Nelson Street, Bradford, supply a showcard in regard to saccharin tablets. These tablets are selling freely at present owing to the difficulty in obtaining sugar. Reduced prices of aspirin tablets are also given in the company's advertisement.

Neboline Compounds.—Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., ask us to state that chemists who by reason of the Cocaine Order have found a difficulty in obtaining through the usual sources of supply Neboline compounds containing cocaine, can obtain them direct for prescription purposes only.

Trade with Russia.—The Russian Chamber of Commerce, 4 Gorochovaia, Petrograd, informs us that with a view of promoting trade with Britain after the war the Chamber is prepared to receive catalogues and price-lists, which will be filed in the library and also brought to the notice of Russian merchants. Not fewer than ten copies of a list should be sent.

Jeuval.—The Saltrates Co., manufacturing chemists, 214 Great Portland Street, London, W., send us a sample of Jeuval, which is described as a substitute for glycerin for external use. It is odourless, tasteless, and of a mucilaginous nature. It is claimed that six months' experience has shown that the liquid is a success as a demulcent application for the skin. It is sold at 10*d.* per lb.

Indian Drugs.—Smith, Stanistreet & Co., Calcutta, invite inquiries for Indian drugs (see advertisement pages). The drugs and chemicals in which they specialise are ajowan oil, belladonna leaf and root, carbonate of potash (96 to 97 per cent.), costus-root, chaulmoogra oil, "Taraktogenes," *Euphorbia pilulifera*, nux vomica, *Podophyllum Emodi* root, pyrolusite, sandalwood oil, sodium gynocardate, thymol, and turmeric.

Sensitol.—It is well known that on the outbreak of war considerable inconvenience was experienced in obtaining supplies of the dye-sensitisers used in colour-sensitive photographic plates. Ilford, Ltd., Ilford, have got over this difficulty, two dyes, green and red sensitive, having been prepared for the company under the direction of Professor W. J. Pope, F.R.S., Cambridge. Sensitol green and sensitol red, as these dyes are called, are being offered to other users by Ilford, Ltd.

Hedley's Malted Milk.—We have received a sample of this product from the Hedley's Malted Milk Co., 57-59 Ludgate Hill, London, E.C. The chief point we note about it is that it is citrated—*i.e.*, contains a small proportion of sodium citrate, in accordance with the modern use of that substance in preventing clotting when added to milk upon which infants are fed. The food, which has a fine malt flavour, is put up in tins enclosed in cartons, and sells at 1*s.* 4*d.*, 2*s.* 6*d.*, and 4*s.* 9*d.*

Sterofil Gutta is the name given by Messrs. Forgès, 12 Boulevard de Magenta, Paris, to a guttapercha substitute which they manufacture. It is a French product, made with a cellulose basis, and does not change by contact with the air, and it is guaranteed to be absolutely harmless. A sample we have examined shows sterofil gutta to be a splendid substitute for guttapercha tissue; it has, moreover, some properties which make it superior to the article which it is designed to replace. It is sold by measure, and is obtainable from wholesale druggists' sundriesmen and others.

P.A.T.A. Year-book.—The 1917 edition of this work has been issued this week by the Proprietary Articles Trade Association, 115 Temple Chambers, Temple Avenue, London, E.C. The list of protected articles is completed to November 1916, and has been corrected in accordance with the changed prices due to the increase in the medicine stamp-duties and other causes. For this reason the list is particularly valuable to the retailer for reference purposes, as the many changes that have taken place within recent months have made it difficult to memorise the prices. The "Year-book" contains the other usual features, such as lists of manufacturers whose goods are protected and of members of the Association. Particulars are also given regarding the Chemists' Defence Association.

New Books.

Jordan, H. W. *Registration of Business Names.* 6⅞ in. × 4⅝ in. Pp. 32. 6*d.* net. (Jordan & Sons, Ltd., 116 and 117 Chancery Lane, London, W.C.) [Sets out the requirements of the Registration of Business Names Act in a concise manner, which should settle many of the doubts which have been raised by firms as to their liability to register.]

Registration of Business Names Act, 1916. By the Editors of "Law Notes." 8⅜ in. × 5½ in. Pp. 27. 1*s.* net. ("Law Notes," 25 and 26 Chancery Lane, London, W.C.) [Passed to circumvent the wiles of German traders in this country, the mesh of the net spread by this Act has been made narrow. On this account the wording of the Act probably involves registration in cases where it is not suspected to be the case. It is therefore important that firms should make sure of their position. This treatise is a commentary on the Act, section by section, and some interesting questions are raised and explanations given of the legal significance of the wording of the Act. The particulars are by Section 5 required to be furnished to the Registrar before March 22.]

Calendar of the Pharmaceutical Society of Great Britain, 1917. 8½ in. × 5⅜ in. Pp. 25 + Appendix of lists of members and subscribers to Benevolent Fund. 2*s.* (Pharmaceutical Society, 16 Bloomsbury Square, London, W.C.) [Contains official particulars regarding the Pharmacy Acts and the Charter, with syllabus of the examinations and particulars of the Society's school and the prizemen. Alien enemies' names occur cheek-by-jowl with those of British honorary and corresponding members. We note that the addresses of three of the corresponding members are unknown, so that it must be a strictly one-sided correspondence which is carried on. The by-laws should give a little more freedom to deal with enemy honorary and corresponding members, and with those whose interest has waned to such a degree that their addresses are not even furnished to the Society.]

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

190/63. "Glasso," for preventing windows from steaming.
196/46. Dental poultices (Mynol Chemical Co., U.S.A.)
196/59. "Cerosini" dusting-powder.
202/33. "Cremotine" cream.
200/71. "Lait fondenois" Bunge, Pirpo & Cie., Paris. Suppliers.
201/26. "Excelsior" truss (Ohio Truss Co., U.S.A.): London agents.

INFORMATION SUPPLIED.

Aletris Cordial, 202/32
"Asiatic" body-belt, 196/48
"Cutine Cream," 196/47
Douche-cans, 195/48
"Nutrine," 198/49
"Stop-Ake," 197/33
Teething Necklaces, 196/71
Thymol, 202/62
"Willowette" grease-proof boxes, 201/46

Observations and Reflections.

By Xrayser II.

Your Winter Number

is, for these times, a really astounding production, second to none of its forerunners either as regards advertisements or literary interest, and I can at this week-end do little more than give it an admiring greeting. It is essentially a war number, as the time demands that it should be, and there is scarcely a problem affecting our craft occasioned by the war on which it does not throw some useful light. I must, however, study it a little more closely by "my ain fireside" before attempting an adequate appreciation of its contents.

"Sweetmeats"

is, as you intimate, a term of wide significance, and there is, I believe, only one article named by you as coming somewhat doubtfully under the designation "medicinal" that has not at one time or other entered into an official lozenge or "sugar." Even Manus Christi was once official (Sacchar. Rosæ continued to be so until 1788), and our early London Pharmacopœia contained nearly fifty lozenges and similar preparations. These were severely criticised by some zealots, and their number dwindled almost with every successive edition of the book until in 1836 lozenges disappeared from it altogether, not to be revived until the appearance of the British Pharmacopœia of 1864, since which they have grown into considerable favour again. Our present Pharmacopœia contains nothing of the kind that anybody would be likely to take as a sweetmeat, but it would be unreasonable to rule out as non-medicinal such lozenges as have for centuries been recognised as valuable medicines. It is a somewhat curious fact that we have never had in this country an official troch. menth. pip., though the herb horse-mint entered into the composition of troch. de myrrha.

One of "Punch's" Cartoons

many years ago represented the Prime Minister of the day addressing the Cabinet, on the dissolution of Parliament, in language like this: "Gentlemen, when we go to the country it does not matter very much what we say, but for heaven's sake, let us all say the same thing." This cynical hit at the opportunism of the average politician is recalled by the remarks at Glasgow last week of Mr. Irvine, who complained that opposite theories on the same subject are held by different examiners, giving the percentage chestnut as one of the points in question. I confess I am much surprised to learn that the percentage bogey has been resurrected at this time of day, and am amazed that any examiner should calculate the solid in making a percentage solution on the basis of the old apothecaries' ounce; for I had thought that "The Art of Dispensing" had laid this ghost to rest thirty years ago.

When I was a Student

the crammer's object in life was not necessarily to impart useful knowledge, but to find out the fads of particular examiners, and, if possible, minister to their vanity. I can well remember that I was carefully warned that if I got Mr. A. I must write "aquam ad," but if Mr. B. the only possible Latin was "aquæ ad," for to him anything else acted like a red rag to a bull. To this day I can recall the ten or twelve different ways in which oxygen could be obtained, which was a pet question with Mr. C.; while I was taught to hold my dispensing-scales just so, otherwise Mr. D. would plough me because I was "no class." Apparently the examiner faddist is still alive, and the student has the same old troubles to face in his studies and in the examination-room. I had hoped that we had got past this stage, and that Colleges of Pharmacy were now devoted to more exalted ends than the memorising of the sets of answers to questions that bear little relation to genuine pharmaceutical or chemical knowledge.

The President's Circular Letter,

soliciting subscriptions to the Pharmaceutical Parliamentary Fund, though written primarily in furtherance of Mr. Woolcock's candidature, ignores altogether the objections that have been made to this duplication of his duties. Such silence on a point of manifest importance is not good diplomacy, but it is highly characteristic of the Square. I am not one of those who think Mr. Woolcock's political activity as our Secretary has been an unmixed good, though I hesitate to affirm with some of my friends that it has been an almost unmixed evil. But leaving the question whether Mr. Woolcock is exactly the representative we should choose if free to choose, it is clear that whatever estimate we place upon his services, we ought before helping him to a seat in Parliament to be assured as to the effect his election would have upon the discharge of his present duties. It is absurd to suppose, as Mr. Gifford does, that it would not interfere with them; Mr. Gifford admits that they would have to be partly discharged by someone else. It is equally absurd to speak of him as "our representative," and before we contribute to his support in Parliament, or in the attempt to get there, we ought to be told more precisely what we shall be sacrificing, in the way of loss of service hitherto rendered, in exchange for such benefits as his presence in Parliament may indirectly secure for us.

The Council of the National Medical Union

has been considering the alleged difficulty in meeting the medical needs of the country, and has stated the conditions necessary during the continuance of the war, and for "a reasonable period" afterwards. These are, briefly: The repeal of the Medical Benefit sections of the Insurance Acts, so as to release doctors and patients from the present "uneven" conditions; the allowing of non-panel doctors who offer to attend the patients of panel doctors to treat them as private patients; the non-importation of foreign doctors to attend the civil population; the abolition of compulsion in the case of the medical profession. This comprehensive scheme of reform throws our own modest proposals entirely into the shade, and shows us what we are up against in our efforts to secure better conditions for ourselves.

Sulphur

and compounds of *sulph-* and *sulpho-* form, from the pharmaceutical point of view, the most important group of words in the new section (*Sullen-Supple*) of the Oxford Dictionary. More than a hundred of these compounds are included, and they occupy about sixteen columns. The earliest quotation for *milk of sulphur* is dated 1728 (an earlier one might have been given from Quincy), and refers to precipitated sulphur, not to the *lac sulphuris cum calce* which came afterwards to be distinctively so called. *Sulphuric acid* occurs first as a name for what had been known previously as vitriolic acid, in 1790, in a translation from Lavoisier. No quotation is given for *sulphurous acid*, though it is noted as equivalent to the obsolete *sulphureous acid*. This preparation did not enter our Pharmacopœia until 1864; Nicholson calls it "volatile sulphuric acid." Sulphurwort (*Peucedanum officinale*) was so called on account of its smell, says Gerard—a fact not here mentioned. *Sumach* first appeared as *asimac*, which is the Arabic *summáq* with a prefixed article. *Sumbul* is from the Arabic *sunbul*. *Sundew* is simply a translation of the Latin *ros solis*. *Sunflower* was once applied to the heliotrope, or turnsole; as a name for a species of *Helianthus* it signifies not turning with the sun, but suggesting the sun's figure. The prefix *super* and words into which it enters occupy more than thirty pages (ninety columns) of the section. In scientific nomenclature, as elsewhere, it has various meanings. In anatomy and zoology, and usually in botany, it signifies "situated above or on the dorsal side," of "overlapping"; in natural-history classification, "a group or division next higher"; in physiology and pathology it denotes "processes or conditions in excess of the normal"; in chemistry, "a high proportion of the ingredient indicated by the radical element."

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Editorial Articles.

Government Action Wanted.

We dealt last week on purely legal grounds with the protection afforded by our Patent and Trade-mark laws to enemy manufacturers of chemical products which have been introduced to British markets and are kept there by a perversion of our laws. It has been established in our courts that the name under which a patented article is sold becomes public property so soon as the patent expires. Obviously as a patent can only be obtained for a new article of manufacture, a name must be found for it before it is placed on the market. The inventor has a wide choice of names for his new product, and the Germans many years ago realised how inconvenient it is to name the article in the patent-specification, as Liebreich did in the patent-specification of Lanoline, and they endeavoured to see how our common law would help them. One of the most striking instances of this was afforded to them when the patent for acetylsalicylic acid was annulled by legal action, which fact enabled any person, other than the patentees, to put the acid on the market under the name Aspirin, but if no one did this and the original patentees continued to sell aspirin, every day built up for them a common-law right in Aspirin, although their trade-mark right might be doubtful and their patent-right *nil*. But every lawyer knows that a trade-mark on the register, however dubious its legality may be, is of value so long as it is there. Germans know this, and developed into a fine art the practice of applying registered trade-mark names to chemicals that are the subject of patent-rights which must expire and their selling-names with them. It may be asked how it is that a trade-mark is allowed to remain on the register after it has *de facto* become public property through the expiry of the patent. The reason is that our laws do not specifically provide for simultaneous expiry of patent and trade-mark, and a trade-mark can be renewed indefinitely by paying renewal fees every fourteen years. While the trade-mark is on the register, manufacturers in this country, although they may be aware of the anomaly, are unwilling to spend in legal expenses the large sums of money which it requires in the ordinary way to get a mark removed from the register. Moreover, a manufacturer does not see why he should fight the legal

battle at heavy cost to himself for the benefit of the whole of the manufacturers and users of a particular chemical. It is well known the German chemical-manufacturers are associated for, among other purposes, defending themselves against any legal action in respect of such matters, so that the cost to the members of the association is comparatively light. Moreover, the Germans by uniting to defend legal actions are in a position to brief the most distinguished patent counsel, and thus pile up the costs against any British manufacturer who fights them in the law courts. A recent development of the German patent and trade-mark process is to drop a patent after the period covered by the first payment of fees has expired. Meanwhile a trade-mark for it has been registered, so that there is, at least, official evidence of some common-law right, and they reckoned also with the knowledge that British manufacturers have not gone to legal expense for the purpose of having a mark removed from the register. The result has been that the British manufacturer who desires to make a chemical that has been the subject of a patent which has expired, invents a new name for the chemical, thus acquiescing in and encouraging the Germans' pretence to monopoly. Dispensing chemists know what the practical result is : a chemical product, identical in composition and therapeutic action, becomes known under, say, six different names, with the consequence that a chemist with a good dispensing business may have to stock six kinds of the article. Acetylsalicylic acid is a good enough example. The table which we printed last week of substances which have been patented and are still trade-marked, sufficiently proved that our Government has ample ground under existing powers to apply established law in respect to patented and trade-marked articles to products of enemy origin. As further evidence that it has been the custom to establish German monopolies among us by means of trade-marks, we give a list of some of the marks for which registration in Class 3 (that in which pharmaceutical chemicals are registered) was sought by the Bayer Co. in the two years preceding the war :

Abrodil	Ilun	Prolan
Apomarin	Istin	Pyrophan
Argobol	Istizin	Rivoren
Aricyl	Maltocose	Sconon
Atebrin	Megaphen	Selarom
Candiolin	Metrotonin	Sokial
Cardiolin	Neguvon	Sphenoidin
Chalkotyl	Ortizon	Tebarcon
Delegon	Ospolot	Tonometrin
Desazon	Ozuron	Trental
Dibornyl	Padunol	Uspulun
Etelen	Pardinon	Xylopol
Fabaycol		

We submit that it is the duty of our Government to apply the powers that exist in regard to patented articles which have been protected by trade-mark. It was clearly the intention of the Temporary Rules Act to remove enemy monopolies, and the Board of Trade, as the Government Department, has removed a number of patents and trade-marks, after it was proved in court that such removal was necessary in the public interest. The Board has also, without calling for such proof, used its powers under the Temporary Rules Act in the case of "Formamint" and "Sanatogen." We ask no more in regard to the tabled articles : this is a national necessity. Only a limited use has been made of the Temporary Rules Act, among the objections being that expense is caused to one manufacturer which benefits all other makers and users. Recognising this, we suggested in the early stages of the war that manufacturers might combine in the matter, and now that the Association of British Manufacturers is beginning to work, we think it might undertake such a useful piece of work, which would meet with the approval of the drug-trade that has no body willing to undertake the task. But we contend that the assertion of public rights in respect to trade-marking of patented articles should be undertaken by the Government Department, and it is the duty of the Association to help in getting this done. Amendment of the trade-mark law may be included in our peace legislation, and we suggest that it should embody the principle that no trade-mark descriptive of a patented article should be renewed. It should not be forgotten that if the war were to finish next week, the rights in this country which our enemies have owned would, after a time, be continued as regards trade-marks still on the register, and the Germans who own such might make it a very expensive business for users of these. "Lanoline" is a sufficiently good example : it is covered by a German-owned trade-mark which is still on the British register. If our Board of Trade does not exercise its right now, it may make every druggist in the British Isles a potential defendant in a legal action !

The Scarcity of Storax.

For several months past there has been an acute scarcity of liquid storax in this country, and the position is now such that supplies in all the world's markets are practically exhausted. It would be difficult to find more than a few pounds in the wholesale druggists' hands, and small sales have recently been made by dealers at from 11*s.* to 12*s.* 6*d.* per lb. for natural storax as imported, but even at these prices there is said to be nothing further available. Rhodes Island, in the Ægean Sea, is one of the most important centres of production, but we understand that since the war there have been practically no imports from that source. From Rhodes the balsam found its way to Trieste, Marseilles, Paris, Hamburg, and London, but inquiries made on the Continent show that markets there are as bare as London, which since the war has depended on the limited stocks in first hands. The consequence is that the manufacture of fresh batches of tinct. benzoin. co., B.P., from the official formula is at a standstill for the moment, prepared storax being one of the principal ingredients. It is uncertain when fresh supplies will be available, and meanwhile it is probable that Friar's Balsam will be manufactured without the storax, an intimation of this fact being given on the label. It would, of course, be necessary for the retailer to notify this omission on the label also at the time of purchase. Crude liquid storax as imported in barrels has always been an unsatisfactory article to deal in, owing to leakage and variation in quality, sometimes containing 20 per cent. and more of water. Frequently the shipments from Trieste and Marseilles consist of spent or impoverished resin, showing the removal of its principal constituent, cinnamic acid, which is largely used in the manufacture of synthetic perfumery. This removal of essential constituents does not appear to take place at the source, but rather at Trieste, and has led to users demanding a resin containing 18 to 20 per cent. of cinnamic acid.

Most of the old formulas for friar's balsam contained storax (see "Pharmaceutical Formulas," p. 559), but the Edinburgh Pharmacopœia was as follows :

Benzoin, 4 oz. ; Peru balsam, 2½ oz. ; East Indian aloes, ½ oz. ; rectified spirit, 2 pints.

The Dublin and London tinctures did not contain tolu balsam. Gray (1831) gave four formulas, two of them without storax, viz. :

Benz. ℥iij., bals. Peru. ℥ij., al. hepat. ℥ss., S.V.R. lb. ij. by weight.

Benz. ℥iij. [? od]. al. socotr. ℥ss., S.V.R. [? ℥] xxxij. ; digest for two days, then add bals. tolu. ℥ij.

Peru and tolu balsams were in the earlier formulas. Tolu balsam resembles storax in containing cinnamic acid, but Peru balsam does not resemble storax, which also has a hyacinth odour. An increase of the amount of benzoin in tr. benz. co., so as to replace the storax, would be advantageous.

Index to Volume LXXXVIII.

As stated in previous issues, we shall supply the Title-page and Index for the volume of The Chemist and Druggist for 1916 to all subscribers who write to us for it. We suggest that they should ask for this by postcard addressed to The Chemist and Druggist, 42 Cannon Street, London, E.C.

German White Lists.

Dr. W. A. Dyes, in the "Chemiker Zeitung," urges the compilation as soon as possible of a "white list" to assist Germany's foreign trade after peace has been declared. The idea is to collect the names of persons of German origin who have special knowledge regarding the conditions of different branches of trade and industry in England. These persons, it is stated, would be able to render valuable service to German trade and industry after the war. It is suggested that the English black list can be converted into a German white list, and Dr. Dyes mentions by name many of the German firms whose activities in this country have been terminated by order of the Board of Trade. All these firms, and those mentioned in the black lists for India, Australasia, and other British Possessions, have had Germans in their employ who can be of extraordinary service to German trade after the war. Dr. Dyes now proposes to compile lists of the names of these persons, arranged according to the different branches of industry or trade for which they can be of special use, and according to the countries in which they have been employed. It is difficult to imagine that peace can be declared with such proposals as part of it. "Once bitten, twice shy" still remains with us.

The Hanseatic League.

At the present time when the British Empire is allied with six other nations to prevent Teutonic dominion in Europe, it is interesting to recall that for several centuries the trade of the world was controlled by a German concern called the Hanseatic League. This was a combination of German merchants in Lübeck, Hamburg, and Bremen chiefly, but in other German ports as well, which was formed for the purpose of protecting and improving the export trade of the ports. Mr. W. H. Saunders spoke about the League to the Liverpool Philomathic Society at the recent meeting in the Royal Institution there, when the subject of his address was "The Hanseatic League, and the Influence of the Germans in England during the Twelfth, Thirteenth, and Fourteenth Centuries." We in England were under the influence of the League until Queen Elizabeth's day. It was a confederation of merchants, as we have already indicated, and in its earlier days was concerned chiefly with the buying and selling of certain classes of goods. In the earlier centuries of the existence of the confederation the supply of herrings and other fish was one of the chief purposes of the League, but as time went on the trading covered all products, and, so far as England is concerned, the League looked after our exports of textiles, but furs, wools, corn, wax, wood, pitch, and other products were handled by the Hanse merchants. Mr. Saunders gave the Philomathic Society a most interesting historical account of the League, and this reflected so many of the German characteristics that have become prominent to us since the present war commenced that it is not difficult to understand why this war is a fight to the finish, for if the Germans were now successful we should have a repetition throughout the world of the Hanseatic League conditions that dominated us and every other nation until Sir Thomas Gresham, the eminent London merchant, used his gifts to undo the Hanseatic establishment, which had gripped English trade so thoroughly in Henry VIII.'s day that it might have been possible for our commerce to have been transferred to Germany had not Queen Elizabeth come to the throne and stopped the Hanseatic monopoly. Nevertheless, it has to be confessed that we owe our great City Companies practically to the Hanseatic League, and the Hanseatic influence remained with us even in Cannon Street, London, until well on into the nineteenth century. Mr. Saunders' address dealt with the good influence of the League as well as the bad. In concluding, he said that "the once proud and mighty Hanseatic League is now dead, quite dead. There remains of it only a memory, the record of a high and fearless spirit which recognised the value of independence and strove with all its strength to maintain this boon." While this is true, it is well to remember that the League in its time made agreements for payment of tributes for certain maritime services, and these are still continued in respect to certain parts of the world.

Associations' Winter Session.

Bradford.—A business and social meeting of the Bradford Pharmacists' Association was held at the Central Café on January 30, Mr. R. Silson (President) in the chair, when Mr. F. E. Burdett (Hon. Secretary) read a characteristic paper by "Jay Mack" on "The Drug-trade under a Health Department." The author dealt caustically with the recent and present position of pharmacy, the effects of the war and of N.H.I. dispensing, and concluded by suggesting resolutions to be forwarded to the Pharmaceutical Society. The paper was discussed by the President, Messrs. Firth, Etchells, Stead, Baignton, and others, and eventually it was decided to recommend that the Preliminary examination should be passed before apprenticeship, that the qualifying examination should be divided and a curriculum imposed, and that postal tuition and scholarships should be arranged. Thanks were voted to the author and the reader of the paper. It was resolved to form a buying section, to be converted into a limited company after the war.

Chemists' Friendly Society.—The fourth annual meeting was held in the Glasgow and West of Scotland Chemists' Association Rooms, Hill Street, Glasgow, on January 25, Mr. John H. Murphy presiding. There was a good attendance of members of the board. In the report, which was submitted by Mr. William McCallum, manager, it was stated that during the year 500 new members had been enrolled, and of the old members 900 had joined the Forces. The income for the year was 1,790*l.* 8*s.* 10*d.*, and there was a balance of 30*l.* 15*s.* 1*d.* over the expenditure. The directors were afterwards re-elected, with Mr. Murphy President and Mr. McCallum manager. At the end of the meeting the President, on behalf of the directors, presented Mr. Thomas Guthrie with his portrait in carbon, framed in oak, and assured Mr. Guthrie of the high esteem in which his services to the Society are held. Mr. Guthrie, in thanking the directors for the gift, said that his connection with the Society had been a real joy to him. He thought that Mr. Lennox's action in advising the formation of such a Society would in course of time be generally recognised as a thoroughly sound and far-seeing one. He said that he intended, if the directors had no objection, to ask the Council of the Glasgow and West of Scotland Chemists' Association to accept a replica of the portrait to hang in their permanent rooms.

Edinburgh.—A meeting of the Edinburgh District Chemists' Trade Association was held at 36 York Place, on January 29, Mr. Adam Duncan (Chairman) presiding. Mr. W. W. Brown (Hon. Secretary) submitted the report of the Committee on the proposed minimum dispensing price-list, and after discussion the draft price-list was unanimously provisionally approved of, and it was remitted to the Committee to continue negotiations with a view to securing general agrement. The meeting unanimously resolved to co-operate with the Edinburgh Merchants' Association in the endeavour to obtain a general closing order making the hours 9 P.M. on Saturdays and 7 P.M. on other days. The Secretary of the P.A.T.A. wrote as to the proposed meeting in Edinburgh, stating that Mr. W. L. Currie, a Scottish member of the Council of the P.A.T.A., would address a meeting in Edinburgh, and that the Secretary, Mr. Johnston, would attend the same meeting. It was agreed to arrange a meeting some time during the month of April on the Wednesday half-holiday afternoon in Edinburgh. The Chief Constable has made a special investigation as to the closing of chemists' shops at the statutory hours, which it is hoped will lead to a termination of the unsatisfactory condition reported at the last meeting of the Association. Mr. Rutherford Hill said the Pharmaceutical Council was in consultation with the Sugar Commission to secure the best possible arrangement whereby retail chemists might obtain sufficient sugar for the making of their own galenical preparations. As a temporary expedient it might, in some cases, be necessary to obtain supplies of such things as syrups from the larger manufacturers. So far as syrups are used purely for sweetening purposes there was room for considerable economy. With regard to glycerin, it was possible that the making of medicinal glycerin might be temporarily suspended owing to the demand for war purposes and the expressed medical opinion that glycerin had no medicinal value, and that medical treatment would not be prejudiced if it was omitted. On this latter point a special note had been forwarded to the Council from the North British Branch giving reasons for regarding this statement as not warranted, and indicating the great inconveniences and disadvantages that would arise by the complete stoppage of the supply of

medicinal glycerin. The Pharmaceutical Standing Committee (Scotland) had come to an understanding with the Insurance Commissioners for safeguarding the position of panel chemists in the event of the stoppage of the manufacture of glycerin resulting in a great advance in the wholesale price. With regard to alcohol, it had been officially indicated that in any restrictive measures care would be taken that in addition to the production of alcohol for use in the making of munitions provision would also be made for a supply of alcohol for pharmaceutical purposes.

Glasgow.—A special meeting of the Glasgow and West of Scotland Chemists' Association was held at 165 Hill Street on January 26 to consider the advisability of publishing a monthly magazine under the auspices of the Association. Mr. A. McMillan (President) occupied the chair, and there was a large attendance of members. The Chairman read the Council minutes and other documents bearing on the proposal, and gave a short history of the movement. Mr. John Murchie (Vice-President) opened the discussion by relating the facts which had impressed supporters with the desirability of issuing such a periodical, and the various steps which had already been taken to ensure its financial success. These included a guarantee fund of over 50*l.* and excellent support promised by advertisers and subscribers. He commended the proposal to the Association, and hoped that the meeting would empower the Council to proceed with the publication at once. Mr. J. B. McVitae, while commending the idea as attractive and worthy of support if the times were normal, thought that the present was not an opportune time for launching a new enterprise. But his principal objection was the possible bearing it might have on the very delicate situation with regard to the arrangement come to between the craft and the military authorities in the city. That arrangement had worked well and fairly so far, thanks chiefly to the constant vigilance and skill shown by Mr. Kitchin, and one had only to look at what had happened elsewhere to see what might have been the case in Glasgow. If the idea had any real vitality about it, it could suffer no harm by being laid aside till after the war. Mr. M. M. Irvine took a similar view. He commended the enthusiasm and the work which Mr. Murray had already shown in connection with the matter, and hoped that when the times were more propitious the idea would be revived, and that similar valuable services would be then at the call of the Association. Mr. McKenzie thought that the Council had not managed the matter very well, and, after what he had heard, he was of opinion that it was inadvisable to proceed with it in the meantime. Mr. Mackay also advocated postponement, and Mr. Kitchin asked the Association not to do anything which might in the eyes of those outside the craft appear to be unbecoming at such a time. A letter of apology was read from Mr. Guthrie in which he expressed the hope that the meeting would authorise the Council to proceed with the scheme. Mr. Murchie moved, and Mr. Wm. Thomson seconded, a motion instructing the Council to proceed with the magazine. Mr. Irvine moved, and Mr. Brown seconded, an amendment advising postponement, and this was carried by 28 votes to 14. A number of members did not vote.

Harrogate.—On January 26 the Harrogate and District Pharmaceutical Association met at the Salisbury Hotel to hear an address by Mr. F. G. Hines, of York, on "Practical Politics." Mr. Hines dealt with most of the questions that are to the fore in the world of pharmacy; and, while severely criticising and calling to task the Pharmaceutical Society for its supine attitude and apathy to the interests of the work-a-day pharmacist, as evidenced by the meagre and sometimes negative results of its activities—*e.g.*, the paltry remuneration under the National Insurance Act, the law relating to the sale of poisons by seedsmen, etc.—offered useful constructive criticism. He made it evident that as a man cannot serve two masters the Pharmaceutical Society cannot attend to both the purely professional side of pharmacy and the business side. As the professional side—*i.e.*, the examination and registration of pharmacists and the prosecutions for infractions of the pharmacy laws—is the *raison d'être* of the Charter of the Society, this is attended to, with the result that the other side is left pretty much to take care of itself; and to cover up its deficiency on this side the policy of the Society has been one of secrecy and intimidation. This was evidently the feeling of all the gentlemen present, as during the subsequent discussion one member of forty years' standing stated that he had gradually and reluctantly been forced to the conclusion that the Society had failed in its various business negotiations, and that Mr. Hines had crystallised into words various impressions that up to then had been but mental nebulæ. The remedy for this was a second body, under any suitable name, elected by territorial representation, which should have all business matters to deal with in a manner similar to the executive of a trade union. The Council of the Pharmaceutical Society itself should also be constituted on a territorial basis. The fact that the Society had been without an editor for its "Journal" for nearly twelve months came as a surprise to most of the members, and one declared that he had never seen a clear financial statement of the Society yet. Among other points put forward was the fact that the official communications sent by the Society were frequently misleading, an example being given in the one relating to the checking of prescriptions, when it stated that 10 per cent. of the prescriptions would be examined and special items checked. Hitherto they have been checked. Why reduce to a mere examination? A hearty vote of thanks was accorded to Mr. Hines, with the wish that he may be successful at the next Council election.

Liverpool.—Mr. William P. Evans (re-elected President) filled the chair at the annual meeting of the Liverpool C.A., held at the Royal Institution, Colquitt Street, on January 31, there being a large attendance. Mr. Wokes asked for advice in dealing with prescriptions in which sugar or syrup was ordered and neither could be obtained. The President: I dream about sugar because of the difficulty of obtaining a sufficient supply. Nothing can be done at present. There is, however, something in the wind which I hope will bring relief. Mr. Wokes suggested that at least the doctors should be asked to restrict the ordering of sugar and syrups to a minimum. (Hear, hear.) A letter was read from Mr. F. J. McKinlay enclosing his voting-paper, expressing wishes for a good meeting, and drawing the attention of pharmacists to a decline of retail profits by one-third owing to the advances of wholesale prices, the non-commensurate advance of retail prices, and the increased cost of spirit, boxes, bottles, paper, string, and a thousand little things. Dr. Symes expressed the thanks of the members to Mr. McKinlay. Mr. John Bain thought Mr. McKinlay's timely letter should lead pharmacists to add not less than threepence to the 1*s.* 6*d.* bottle of mixture. (Hear, hear.) Mr. Nicholson, Priory Road, Anfield, and Mr. Nixon, 34 Hanover Street, were enrolled as members. The election as hon. members of Mr. John J. Evans (Evans Sons Lescher & Webb, Ltd.), and Mr. Edmund White (Pharmaceutical Society) was agreed to. The Hon. Secretary (Mr. D. H. Evans) read his annual report, which reviewed the various addresses, etc., and recorded general progress. By the election of three new members the roll had been raised to over 200. The Hon. Treasurer (Mr. W. Wellings) presented the financial statement, showing an increased credit balance of 38*l.* The report and accounts were adopted. It was resolved to invest 25*l.* in the War Loan. It was agreed to retain on the Council *ex officio* Mr. L. Morcton Parry, who retired by rotation, during his membership of the Pharmaceutical Council. The re-elected Vice-President (Mr. W. H. Clubb), who likewise retired, was retained as an extra member *ex officio* during his term of office. The members retiring were thus reduced to four: Dr. Symes, Messrs. A. W. Ashcroft, G. Inman, and T. E. Lloyd. In responding on his re-election as Hon. Secretary Mr. D. H. Evans said he had not contemplated a second year. The Treasurer (Mr. W. Wellings) was re-appointed. Mr. William Evans thanked the members for re-electing him, and referred to the work which had been done and the programme for the new session. The ballot for the election of six members of Council (there being seven nominations) resulted in the choice of Messrs. A. J. Ferriday, Martin S. Hughes, John Jones (Ferguson & Co.), G. V. C. Last, J. G. Wallbridge, and Harold Wyatt. The Council and officers were thanked for their services during the past year.

London (S.E.).—A meeting of the South-Eastern Pharmacists' Association was held at Maitland House, Greenwich, on January 25, Mr. A. J. Wing (President) in the chair. The Secretary (Mr. Milner) gave a brief report on the recent meetings of the Pharmaceutical Committee and the County Executive. On the proposition of Mr. Happold, seconded by Mr. Ralph, it was unanimously agreed that letters be sent to twenty-four firms not members of the P.A.T.A., urging them to become members of that Association. The London Retail Price-list caused an animated discussion, the majority of the members present agreeing that such a list is useful, and may become of considerable value to members after a time. The President opened a discussion on the question of an increased dispensing-fee for 1918, in the course of which he gave statistics as to the remuneration received during the four years the service had been in existence, and said that in his opinion the minimum fee should be 3*d.* for medicine up to and including 8 oz., and 4*d.* over 8 oz., the present

establishment-charges to remain. Mr. Corrall did not think chemists would ever be able to prove that the dispensing-fee is inadequate, and, that being so, they should press their claim for better terms on purely business grounds. He gave figures from his own experience, showing that the total amount received for 1,000 prescriptions was in 1914 39*l.*, 1915 29*l.*, 1916 21*l.*, showing a net profit of 2*l.* only for dispensing 1,000 prescriptions, which was certainly not enough. Mr. Tugwell, Mr. Siddle, Mr. Egg, Mr. Ralph, Mr. Breese, Mr. Happold, and others took part in the discussion, which was ultimately adjourned. On the proposition of Mr. Wing, seconded by Mr. Ralph, it was agreed that members of the S.E.P.A. be advised to make no sale of Part I. poisons for less than 6*d.*, or of Part II. substances for less than 2*d.*

Public Pharmacists' Association.—The annual meeting of this Association was held on Wednesday, January 31, in St. Bride Institute, Mr. R. Welford (Chairman of the Association) presiding. Eight new members (including five ladies) were elected to membership, and the officers and Council of the Association were re-elected, including Mr. T. H. W. Idris, J.P., as President. The annual report and balance-sheet were submitted and approved. The principal business of the meeting was the alteration which was made in the title and constitution of the Association to provide that in future only registered pharmacists could be admitted to membership, and the various amendments to the rules were made accordingly, the new title to be "Public Pharmacists' Association, Representing Pharmacists in the Public Services." After this three papers were read, one calling for equality of treatment for dispensers in civil hospitals (now largely taken up with the military) with dispensers doing similar work in a regular military hospital. Another paper dealt with "Some Activities of a Military Pharmacist" in a detailed and frequently humorous manner. The Chairman, Mr. Welford, gave the third paper, "Pharmacy for the Pharmacist," in which he dealt with the necessity of public pharmacists preparing all their galenicals and buying none. He showed specimens of the work done in his laboratory in the making of conc. infusions, syrups, tablets, and lozenges, and said that these could be made much more economically than they could be bought. In the discussion that followed Mr. Welford admitted that he made no allowance for pharmacists' time, rent, or establishment charges, and Mr. G. W. Gibson said that when they were operating on a large scale his experience was that they could never come near contractors' prices.

Southend.—The annual general meeting of the Southend-on-Sea Association of Pharmacists was held at 167 High Street on January 18, Mr. S. F. Body (President) in the chair. The Hon. Treasurer (Mr. W. M. Misselbrook) presented his report, which showed a credit balance of 2*l.* 2*s.* 9*d.* It was agreed that a donation of one guinea be forwarded to the Benevolent Fund of the Pharmaceutical Society. The President referred to the loss that the Association had sustained by the death of Mr. J. Hillen, and a resolution was carried expressing sympathy with Mrs. Hillen and family in their bereavement. The President referred to the services rendered during the past two years by the Hon. Secretary, Mr. J. G. Cowe, and on behalf of the Association, presented him with a magnificent silver entrée-dish. Mr. Cowe suitably replied. Before vacating the chair Mr. Body gave a *résumé* of the work accomplished by the Association during the past year. Mr. E. A. Holloway was elected *President* for 1917, and in his address endorsed Mr. Body's remarks with regard to Mr. Hillen and Mr. Cowe, and also referred in a complimentary manner to the high qualities of the retiring President. The remaining offices were filled as follows: *Vice-President*, Mr. R. H. Shields; *Hon. Treasurer*, Mr. S. Y. Spouncer; *Hon. Secretary*, Mr. J. G. Cowe; *Assistant Secretary*, Mr. G. Wilson; *Auditors*, Messrs. J. H. Heywood and W. M. Misselbrook; *Hon. Solicitor*, Mr. W. S. Jerome; *P.A.T.A. Secretary*, Mr. R. H. Shields; *Committee*, Messrs. S. F. Body, G. Bruce, A. H. Carpenter, G. H. Dawson, W. T. Hill, F. H. King, J. Ward, and G. Wilson. It was decided that meetings be held on the third Thursday of each month. At the next monthly meeting Mr. Body will read a paper on "Pharmaceutical Organisation."

Warrington.—The annual meeting of the Warrington Chemists' Association was held on January 23, Mr. J. Rymer Young, J.P., presiding over a full attendance. The President and Secretary-Treasurer were thanked for their services and re-elected. The financial statement presented by the Treasurer was considered very satisfactory. Correspondence and routine business closed the proceedings.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Stock Mixtures.

The National Health Insurance Commissioners have issued, as Form 158 I.C. (revised), the following formulas for stock mixtures to be used in England and Wales. The compositions are precisely the same as provided in the previously issued formulas printed in the *C. & D.*, June 3, 1916, p. 39, and in the *C. & D. Diary*, 1917, p. 373, but quantities are now given for 80 fl. oz. of each mixture, and to each title the letters "C.L." are added.

Mistura Acida Amara, C.L.

Acid. hydrochlor. dil. ...	5 fl. oz.
Inf. quassiæ ad	80 fl. oz.

Mistura Acida Gentianæ, C.L.

Acid. nitrohydr. dil.	3 fl. oz. 160 m.
Inf. gent. co.	40 fl. oz.
Emuls. chloroformi, B.P.C.	1 fl. oz. 320 m.
Aquam ad	80 fl. oz.

Mistura Acida cum Opio, C.L.

Acid. sulph. dil. ...	3 fl. oz. 160 m.
Tinct. opii	2½ fl. oz.
Emuls. chloroformi, B.P.C.	1 fl. oz. 320 m.
Aquam ad	80 fl. oz.

Mistura Alba, C.L.

Magnes. sulph. ...	21 oz. 413 gr.
Magnes. carb.	3 oz. 288 gr.
Aq. menth. pip. (ex conc. 1 to 40) ad ...	80 fl. oz.

Mistura Ammoniæ et Senegæ, C.L.

Ammon. carb. ...	1 oz. 203 gr.
Ext. ipecac. liq. ...	80 m.
Ext. senegæ rad. liq., U.S.P.	3 fl. oz. 160 m.
Aquam ad	80 fl. oz.

Mistura Astringens, C.L.

Pulv. cretæ arom.	7 oz. 138 gr.
Pulv. catechu ...	5 oz. 213 gr.
Emuls. chloroformi, B.P.C.	1 fl. oz. 320 m.
Aquam ad	80 fl. oz.

Mistura Bismuthi, C.L.

Sodii bicarb. ...	5 oz. 213 gr.
Bismuth. carb. ...	3 oz. 288 gr.
Emuls. chloroformi, B.P.C.	1 fl. oz. 320 m.
Aquam ad	80 fl. oz.

Mistura Carminativa, C.L.

Sodii bicarb. ...	5 oz. 213 gr.
Magnes. carb. ...	5 oz. 213 gr.
Ammon. carb. ...	1 oz. 203 gr.
Aq. menth. pip. (ex conc. 1 to 40) ad ...	80 fl. oz.

Mistura Cascaræ Comp., C.L.

Ext. casc. sag. liq.	6 fl. oz. 320 m.
Ext. nuc. vom. liq. ...	160 m.
Ext. bellad. liq.	80 m.
Syr. zingib.	20 fl. oz.
Aquam ad	80 fl. oz.

Mistura Cinchonæ Comp., C.L.

Ammon. carb. ...	1 oz. 363 gr.
Ext. cinchonæ liq. ...	5 fl. oz.
Aquam ad	80 fl. oz.

Mistura Colchici, C.L.

Ext. colch. sem. liq., U.S.P.	1 fl. oz. 160 m.
Potass. bicarb. ...	7 oz. 138 gr.
Ol. limonis	20 m.
Aquam ad	80 fl. oz.

Mistura Copaibæ, C.L.

Copaibæ	5 fl. oz.
Liq. potassæ	5 fl. oz.
Aquam ad	80 fl. oz.

Mistura Diuretica, C.L.

Potass. acetat. ...	7 oz. 138 gr.
Potass. nitrat. ...	7 oz. 138 gr.
Succ. scoparii	10 fl. oz.
Aquam ad	80 fl. oz.

Mistura Effervescens, C.L.

Potass. bicarb. ...	7 oz. 138 gr.
Aquam ad	80 fl. oz.

(If acid. tart. is used to neutralise, 15 gr. are required to neutralise each ½ fl. oz. of the mixture. If succ. limonis is used to neutralise, dr. ij. are required to neutralise each ½ fl. oz. of the mixture.)

Mistura Expectorans, C.L.

Ext. ipecac. liq. ...	80 m.
Ammon. carb. ...	1 oz. 43 gr.
Tinct. camph. co. ...	5 fl. oz.
Aquam ad	80 fl. oz.

Mistura Ferri Aperiens, C.L.

Ferri sulph. ...	1 oz. 43 gr.
Magnes. sulph. ...	10 oz. 425 gr.
Acid. sulph. dil.	1 fl. oz. 320 m.
Aq. menth. pip. (ex conc. 1 to 40) ad ...	80 fl. oz.

Mistura Ferri Arsenicalis, C.L.

Liq. arsenicalis	1 fl. oz.
Ferri et amm. cit.	2 oz. 85 gr.
Emuls. chloroformi, B.P.C.	1 fl. oz. 320 m.
Aquam ad	80 fl. oz.

Mist. Ferri et Ammon. Cit., C.L.

Ferri et ammon. cit.	2 oz. 325 gr.
Ammon. carb. ...	1 oz. 43 gr.
Emuls. chloroformi, B.P.C.	1 fl. oz. 320 m.
Aquam ad	80 fl. oz.

Mistura Ferri et Quassiæ, C.L.

Liq. ferri perchlor. ...	5 fl. oz.
Inf. quassiæ ad	80 fl. oz.

Mist. Ferri et Strychninæ, C.L.

Liq. ferri perchl....	3 fl. oz. 160 m.
Liq. strychn. hyd. ...	320 m.
Glycerini ...	3 fl. oz. 160 m.
Aquam ad	80 fl. oz.

Mist. Gentianæ Alkalina, C.L.

Sodii bicarb. ...	3 oz. 288 gr.
Emuls. chloroformi, B.P.C	1 fl. oz. 320 m.
Inf. gent. co. ad	80 fl. oz.

Mist. Gentianæ c. Rheo, C.L.

Gent. rad. pulv....	1 oz. 363 gr.
Rhei rhiz. pulv.	1 oz. 363 gr.
Zingib. pulv.	160 gr.
Sod. bicarb. ...	3 oz. 288 gr.
Ol. menth. pip.	80 m.
Aquam ad	80 fl. oz.

Triturate the powders together with the oil of peppermint and add the water gradually.

Mist. Potassii Bromidi, C.L.

Potass. bromid.	3 oz. 288 gr.
Ammon. carb. ...	1 oz. 203 gr.
Emuls. chloroformi, B.P.C.	1 fl. oz. 320 m.
Aquam ad	80 fl. oz.

Mistura Potassii Iodidi, C.L.

Potassii iodid. ...	1 oz. 363 gr.
Aq. menth. pip. (ex conc. 1 to 40) ad	80 fl. oz.

Mistura Quininæ, C.L.

Quininæ sulph.	160 gr.
Acid. hydrobr. dil.	1 fl. oz. 320 m.
Emuls. chloroformi, B.P.C.	1 fl. oz. 320 m.
Aquam ad	80 fl. oz.

Mistura Sodæ c. Rheo, C.L.

Pulv. rhei ...	1 oz. 203 gr.
Ammon. carb. ...	1 oz. 43 gr.
Sodii bicarb. ...	3 oz. 288 gr.
Aq. menth. pip. (ex conc. 1 to 40) ad	80 fl. oz.

Mistura Stimulans, C.L.

Ætheris	3 fl. oz. 160 m.
Ammon. carb. ...	1 oz. 203 gr.
Aquam ad	80 fl. oz.

Mistura Tussis, C.L.

Diamorph. hyd. ...	16 gr.
Syr. tolu.	10 fl. oz.
Liq. cocci	80 m.
Aquam ad	80 fl. oz.

When sending the new list to Insurance Committees the following letter was enclosed:

The Commissioners desire to take this opportunity of adverting to Article 4 of the National Health Insurance (Medical Benefit) Regulations, 1916 (No. 2). In making any arrangements under that article with the local authority under the Sale of Food and Drugs Act, it will doubtless be borne in mind that prescriptions for mixtures selected for purposes of Note (*a*) to Part iii. of the Tariff relate to mixtures intended to be compounded in bulk. This fact will necessitate special measures where the examination of the sample gives rise to questions as to the quantity of any of the ingredients, since any such questions concern the correctness of the preparation in bulk, and not the dispensing of the sample itself.

Reports from Local Centres.

ENGLAND.

Baildon.—The Insurance *impasse* seems likely to come to an end. A conference of all the parties concerned has now been arranged, when the matter will be discussed, and, it is hoped, put on a more equitable and rational foundation. There was only one panel doctor and no dispensing chemist's establishment at Baildon, the nearest place being Shipley, some two to three miles away.

Birmingham.—At a meeting of the Pharmaceutical Committee held on January 19, the Secretary reported that a circular had been sent to all pharmacists on the panel advising that the Cocaine Regulations should be strictly adhered to in N.H.I. dispensing, as well as in all other transactions. The new terms offered by the Central Checking Bureau for 1917 were accepted. Mr. B. C. Heath has resigned his seat on the Committee on account of illness, and Mr. R. A. Cooper, 115 Coventry Road, Hay-Mills, has been co-opted to the vacancy.

Burnley.—The prescriptions dispensed during the quarter ended September last numbered 23,166, at a total cost of 517*l.* 10*s.* and an average of 5.37*d.*, compared with 23,539 in the corresponding quarter of 1915, costing 635*l.* 4*s.* 11½*d.* and averaging 6.47*d.* per script. For ascertaining the amount to be transferred from the Drug Fund to the Practitioners' Fund, chemists' accounts for the June quarter have been repriced on the basis of the old Tariff, the total values being 728*l.* 13*s.* 6*d.*, as against 630*l.* 13*s.* 9*d.* on the new Tariff basis.

Essex.—The Insurance Committee met at River Plate House, Finsbury, on January 30, Mr. J. H. Burrows in the chair. It was agreed (subject to the Commissioners' approval) to allot 1*d.* per insured person to the Panel and Pharmaceutical Committees for administration expenses. The Medical Benefit Sub-Committee reported that two members of that body are to meet representatives of the Panel and Pharmaceutical Committees with a view to an agreement as to the late-dispensing fee. Six firms have withdrawn from the chemists' panel, and one has been added.

Exeter.—At a meeting of the Exeter and District Pharmaceutical Association on January 26 (Mr. Eric Lemmon in the chair), it was decided to accept the terms of the Central Checking Bureau for 1917. A protest was made against the waste involved by the Commissioners in unnecessarily sending monthly price-lists to panel chemists, whose interests are safeguarded by their Checking Committee.

Hampshire.—Mr. F. B. Wride, chemist and druggist, Southampton, has been appointed a member of the Insurance Committee. Mr. C. H. Baker, Ph.C., Cosham, is also on the same Committee.

Kent.—The Insurance Committee met at Maidstone on January 24, when the Finance Sub-Committee reported that the Commissioners had agreed to the payment of an additional establishment-charge of 0.3*d.* per prescription in respect of the years 1916 and 1917, and the Clerk is to apply to the Commissioners for the additional fees. The number of chemists under agreement with the Committee for 1917 is 197 (representing 270 shops), as compared with 200 (representing 274 shops) in 1916. The chemists who have resigned are Messrs. W. L. Towers, Chatham; F. W. Stedman, Ashford; and Beale & Son, South Norwood. A further payment of 147*l.* 10*s.* has been authorised to meet the expenditure of the Joint Committee for pricing prescriptions. No application had been made to the Insurance Commissioners for a portion of the extra cost incurred through adopting the new system, as full returns of the year's work are not yet available.

Portsmouth.—The Insurance Committee met on January 25, when it was reported that the November prescriptions numbered 9,336, costing 227*l.* 15*s.* 3*d.*, or an average of 5.85*d.* per script. A final settlement of the 1916 accounts is expected in February. Six chemists have not accepted the emergency settlement. In the district covered by the Pricing Bureau the average cost of ingredients per prescription during the past year was 3.45*d.*, and the dispensing-fee 2.66*d.*, the total cost per insured person averaging 12.26*d.*; the figures for Portsmouth being respectively 2.60*d.*, 2.68*d.*, and 10.11*d.* Dr. Beddow asked how it was that the cost in Portsmouth was much below that of other towns. The Chairman (Alderman Sir Scott Foster) suggested that it was because they had a Pharmacopœia. Alderman F. G. Foster concurred, as their Pharmacopœia prescriptions were cheap and nasty. Dr. Mulvaney thought it was because several doctors were surcharged in 1914 for over-prescribing. Mr. Hollis said the dispensing cost did not include the 0.3*d.* given under the new regulations, which has not yet been worked out.

Salford.—A comparative statement shows that 22,337 scripts were dispensed in September last, at a total cost of 461*l.* 18*s.* and an average cost of 4.96*d.* per script, against 21,891 scripts, costing 431*l.* 6*s.* 10*d.* and averaging 4.72*d.*, for the corresponding month of 1915. The average cost per insured person for the month was 10.08*d.* in 1916, compared with 9.44*d.* in 1915.

Southampton.—The Pharmaceutical Committee has adopted the Pharmaceutical Society's checking scheme for 1917. The Committee has written to the Sugar Commission regarding the shortage of sugar for pharmaceutical preparations.

Surrey.—The Insurance Committee met on January 24, when the Sub-Committee dealing with chemists and military service reported that it was not expedient in the national interest that Class C men should be sent into the Army, having regard to the demand made upon the pharmaceutical service. Of 192 chemists' shops in the various Tribunal areas 142 were considered necessary by the Sub-Committee and the number of qualified dispensers necessary was 149. The position of these men in regard to military service was that seventy-nine were over military age, eleven were unfit for military service, and fifty-nine were exempted. There were forty-three conditional exemptions, nine for definite periods, and seven cases in which the decision was unknown.

Wakefield.—At the last meeting of the Wakefield Insurance Committee, Mr. T. H. Jones was re-elected the Committee's representative on the West Riding Joint Pricing Committee. In thanking the Committee Mr. Jones paid a marked tribute to the work of the lady members of the pricing staff. Out of some 1,600,000 prescriptions priced only 1½ per cent. of errors had been found.

Yarmouth.—The Insurance Committee met on January 26, and was informed that the Panel Committee has agreed not to insist on a list of stock mixtures for 1917 on condition that the chemists accepted the formulæ already sent them. The Pharmaceutical Committee reported that the chemists do not object to these formulæ. A return of prescriptions dispensed in the area during June, July, and August showed the numbers to be 2,443, 2,557, and 2,389 respectively, costing 55*l.* 4*s.* 9*d.*, 56*l.* 6*s.* 10*d.*, and 51*l.* 16*s.* 5*d.*, the average cost being 5.42*d.*, 5.29*d.*, and 5.19*d.*

Yorks (West Riding).—The Insurance Committee met at the County Hall, Wakefield, on January 25, Mr. J. Gillies presiding. The Medical and Sanatorium Benefits Sub-Committee have received a letter from the National Association of Insurance Committees advocating the formation of a scheme for the provision of free medical treatment of non-insured dependants, widows, and orphans of soldiers, seamen, and marines, through the medium of Insurance Committees, and requesting these Committees to give their support. The Committee decided to give the matter their support, and that suitable representations be made to the Government. The Sub-Committee appointed to confer with representatives of the Panel and Pharmaceutical Committees reported further consideration of the supply of dressings by panel doctors under Clause 12 (1) of the practitioners' agreement, and it was decided to adopt the resolution passed by the Panel Committee to supply emergency dressings and appliances at a flat rate of 3*d.* per dressing.

SCOTLAND.

Castle Douglas.—At the last meeting of the Insurance Committee, it was resolved that no proprietary medicines should be prescribed by doctors. It was stated that out of about 8,300 insured persons in the stewartry nearly 1,400 have not chosen a doctor.

Kirkcaldy.—The monthly meeting of the Burgh Insurance Committee was held in the Y.M.C.A. Buildings, Bailie Garnock presiding. In view of a statement made at the previous meeting that the Panel Committee declined to proceed with the investigation into the drug expenditure for 1915, Judge Peebles had given notice of motion to rescind

the following resolution adopted on September 29, 1916: "That in the opinion of the Committee the doctors in Kirkcaldy are not prescribing any more than they prescribed before the war, and the high drug expenditure is entirely due to the great increase in the price of drugs." The Panel Committee now informed the Insurance Committee that they had not completed their investigations, and were of opinion that the matter should lie over in the meantime. Judge Peebles accordingly withdrew his motion, as he thought it would be better to let the doctors send in their report.

WALES.

Denbighshire.—The Pharmaceutical Committee met at Rhyl on January 17, Mr. J. W. Adamson in the chair. The Central Checking Bureau's report on a sample of the April, May, and June prescriptions examined showed that the pricing had been satisfactory, and it was decided that a complete check for those months is unnecessary. The terms of the Central Bureau for 1917 were accepted. The Hon. Secretary was instructed to point out to the Commissioners that prescriptions dispensed for temporary residents during 1915 in the county had not yet been paid for, and to request a settlement at their early convenience. A report on prescriptions dispensed for the ten months ended October 31 showed the total number of scripts to be 55,013, costing 1,208*l.* 2*s.* 9*d.*, in 1916, compared with 69,291 in 1915, at a cost of 1,743*l.* 13*s.* 8*d.*

Notes.

Complaints against Doctors.—Two inquiries under Part IV. of the National Health Insurance (Medical Benefit) Regulations (England), 1913, were held at South Shields on January 26, to investigate representations which have been made to the Insurance Commissioners by the South Shields Insurance Committee, that the continuance of Drs. Robert Miller Danks and William Samuel Daroux upon the panel of medical practitioners is prejudicial to the efficiency of the medical service of the insured.

Weavers Dissatisfied with Medicines.—This is substantially the gist of the quarterly report of Mr. Joseph Nuttall, the Rochdale Secretary of the Approved Section of the Weavers' Amalgamation. Some of the members pay for the medicine prescribed instead of getting it by the Insurance method, and Mr. Nuttall appeals to them to discontinue the practice (1) because it is unnecessary, (2) because the Commissioners strongly discountenance it, (3) because it stands in the way of Health Insurance ever becoming efficient and effective, (4) because it is very undesirable that a patient should at one and the same time be both a panel and a private patient. He adds: "A high official in the Insurance assures us that there is absolutely no need for the practice, and therefore no reason why it should be continued."

Amendment of the Law.—The British Medical Association is taking the opinion of all of the branches and divisions of the body in regard to the Insurance Acts, and has sent a letter to them on the subject, recalling the fact that the three years' arrangement made with the medical profession has expired. The Secretary's letter on the subject has thirteen questions appended to it, of which one is as follows:

> "What method do you approve for the supply of drugs and appliances? What additional appliances, if any, do you think should be added to the list? Are the members of the local profession agreed that the separation of prescribing and dispensing is advantageous?"

It is obvious from this that dispensing chemists must keep a sharp look-out.

Sir Edwin Cornwall, M.P., Chairman of the National Health Insurance Joint Committee, was the principal guest of the Faculty of Insurance at a luncheon in the Holborn Restaurant, London, on Saturday, January 27, and, in reply to the toast of his health, made an interesting statement regarding the Acts. He stated that in 1915 panel doctors were paid 3,802,000*l.*, and chemists 1,104,000*l.* He regretted that money that had been voted by Parliament in 1914 for Insurance purposes had been withheld to the extent of nearly a million pounds, and he hoped that this would be released as soon as possible. He stated that the Government feels the necessity for further legislation on the subject, but there would be no amendment which would interfere with the structure of the Act, and he held that in respect to anything that might be done there should be agreement beforehand. He thought that the Advisory Committee associated with the Commissioners is too large, and suggested that it should consist of twelve or fifteen members, who would meet regularly and have clear duties and functions.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C., February 1, 5.30 p.m.

There is little improvement to report in the volume of business being done so far as concerns the general produce markets, and the difficulties under which Mincing Lane trading is now carried on have become accentuated of late owing to the depletion of office staffs, while the scarcity of freight and high prices also greatly restrict operations. Another factor militating against buying is the very high prices asked for chemicals in the United States, and three months may elapse before the goods are obtainable. Among the changes in drugs is a sharp advance of from 5*l.* to 6*l.* in Siam gamboge. Honey has remained in good demand, and a further substantial advance has been paid, chiefly by confectioners. Gentian is offering at reasonable prices to arrive; firmer prices have been paid for Madras turmeric. Cascara sagrada quiet, and the turn easier, but present stocks cannot be replaced at anything near spot values. Other changes include an advance of 20*s.* in quicksilver, followed with a twopenny advance in vermilion; some of the mercurial salts may be advanced 3*d.* Menthol is rather lower; camphor still very scarce. Cartagena ipecac. and ergot are firmer. In the fine group of chemicals salol and phenazone are dearer. Benzoates, guaiacol carbonate, creosote carbonate, and barbitone are very scarce. Salicylates are lower. Fixed oils have been quieter; English castor and linseed are lower, but cottonseed and rape are dearer.

Higher	Firmer	Easier	Lower
Cottonseed oil	Copaiba balsam	Cascara sagrada	Ammon. ichthyol
Gamboge	Ergot	Hydroquinone	Castor oil (Hull make)
Guaiacol carb.	Formaldehyde	Linseed oil	Castor-seed
Honey	Ipecacuanha (Cartag.)	Methyl-salicylate	Chillies
Phenazone	Rape oil	Silver proteinate	Gentian (c.i.f.)
Quicksilver	Soda hypo-sulphite		Mace (W.I.)
Salol	Turmeric (Madras finger)		Menthol
Shellac			Resorcin
Soda benzoate			Salicylates
Soda nitrate			Theobromine soda sal.
Vermilion			

A Drug-auction will be held next Thursday, February 8.

Cablegram.

New York, January 31.—Business in drugs is brisk. Menthol is 15c. higher at $3.50, and Mexican sarsaparilla is firmer at 14½c. Gentian has been advanced to 15c. per lb., and balsam peru is lower at $3.25. Copaiba balsam is higher at 67½c., as also is Oregon fir balsam at 85c. Opium and peppermint oil are unchanged.

Acetanilide.—In view of the present cost of production, it is believed that market values have touched bottom in America.

Acetic Acid.—As this is the quiet season of consumption no large transactions are taking place; but parcels of 80-per-cent. pure and glacial on the spot and for early delivery are commanding a premium. The price of raw material in U.S. has been unchanged for a lengthy period, and when supplies come forward more freely prices are likely to be easier.

Acetic Anhydride is quoted at from 9*s.* to 9*s.* 6*d.* per lb.,

according to make and seller, but the price is too highly inflated to permit of substantial business.

AMMON. ICHTHYOL is lower at from 2*s.* to 2*s.* 6*d.* per lb. net.

AMMONIA SULPHATE.—For home consumption the price is still 15*l.* 10*s.* per ton. Exports having been prohibited, the quotations are nominal.

ARSENIC.—Supplies even at 50*l.* per ton seem to be very scarce.

ASAFETIDA.—There appears to have been no imports of any consequence into this country since the war, and it is doubtful when further supplies will be forthcoming. The position is such that even the lowest qualities which buyers in normal times refused to look at are now saleable. Genuine drop, but slightly blocky, suitable for the U.S. market, has been sold at very high prices, as also have medium and common grades.

ATROPINE.—Sulphate is offered from English makers at 110*s.* per oz. net.

BARBITONE can be had at 95*s.* per lb. to arrive, but on spot holders ask 110*s.* per lb.

BERMAGOT OIL.—A report from Sicily dated January 20 says: "From advices arriving from producing districts it appears that the new pressing is proceeding well as regards outturn, but despite this, producers are holding off the market and advancing their pretensions at every fresh inquiry, even though no business results. Present quotations can only be considered as nominal."

BROMIDES.—Prices of the makes to which buyers are accustomed are unchanged, but values are being depressed by offers of certain American makes which are not up to the usual standard; granular potash sells at 6*s.* 3*d.* and crystals at 6*s.* 6*d.* and upwards; ammonium 5*s.* to 5*s.* 3*d.*, and sodium 3*s.* 9*d.* to 4*s.* per lb. net.

CAMPHOR (REFINED).—Japanese slabs continue very scarce on spot; to arrive business has been done at 3*s.* 9*d.* per lb. c.i.f.; limited quantities of 1-oz. and ¼-oz. are obtainable at 3*s.* 8*d.* to 3*s.* 9*d.*, the latter size being very scarce.

CASCARA SAGRADA has sellers at from 90*s.* to 95*s.* per cwt. for two-year-old bark on the spot; market is quiet.

CASTOR OIL is 2*s.* per cwt. lower for Hull make, first pressing of which in barrels is quoted for forward delivery at 68*s.* per cwt. in barrels f.o.b.

CEVADILLA-SEED is offering in quantity at 140*l.* per ton c.i.f.

CHILLIES.—At auction 87 bags and 118 bales Mombasa offered and 101 sold at lower prices, including ordinary dark at 75*s.* and partly without reserve at 70*s.* per cwt., being lower.

CLOVES.—Quiet, with sellers of fair Zanzibar on the spot at 8*d.*; to arrive, January-March shipment has sellers at 7¾*d.* c.i.f. d.w., and February-April delivery 7 15/16*d.* At auction 135 bales Zanzibar clove *stems* were bought in at 2½*d.*

COCOA-BUTTER.—At auction 500 cases *Fry's* sold at 1*s.* 7*d.* per lb.

COCAINE.—There is no actual change in the position, but as previously stated, there will be a scarcity during the first quarter of this year.

COD-LIVER OIL.—Our Bergen correspondent writes on January 22 that the market for finest non-congealing oil remains nominal, no business being reported.

COPAIBA.—Genuine B.P. filtered is firm and scarce at 3*s.* 9*d.* per lb. net.

COPPER SULPHATE is quiet at 64*l.* per ton for the usual Liverpool brands.

CORROSIVE SUBLIMATE is offered at 5*s.* 6*d.* per lb. for Italian make guaranteed B.P. quality.

COTARNINE HYDROCHLOR. is offered at 10*s.* 6*d.* per oz.

ERGOT.—It is reported that sales of good sound Russian have been made at 2*s.* per lb., but in one quarter 1*s.* 10*d.* will still buy.

FORMALDEHYDE is rather firmer at 85*s.* per cwt. for 40-per-cent.; spot stocks are now by no means heavy, and an important factor in fixing prices is the huge increase in freights and insurance.

GAMBOGE.—At auction on Tuesday 26 cases were offered and sold at an advance of from 5*l.* to 6*l.* per cwt., good Siam pipe, slightly blocky, realising 31*l.* to 31*l.* 10*s.*, and fair part dark and slightly mixed with Saigon character 30*l.* to 30*l.* 10*s.* per cwt.

GENTIAN.—A very fair quantity is available from Spain, from whence 55*s.* per cwt. c.i.f. London is quoted for good dry quality in several ton lots.

GERANIUM OIL.—Bourbon is scarce on the spot at 12*s.* per lb., and African is worth 13*s.* to 13*s.* 6*d.*

HONEY.—At a Naval Prize auction on January 25, 1,029 cases California sold, comprising white set at 81*s.* to 84*s.*, pale yellowish set 83*s.* to 84*s.* (one lot 87*s.*), and yellow set 76*s.*, these prices showing an advance of 15*s.* to 20*s.* per cwt. This auction attracted a considerable number of buyers outside of the drug trade, and competition was extremely keen, secondary qualities selling at higher prices than the best lots which sold at the beginning of the auction. Privately a good business has been done from second-hands at higher prices, the sales including Cuban at from 67*s.* 6*d.* to 72*s.* 6*d.* per cwt. as to quality, and parcels of Cuban afloat are quoted subject to safe arrival at 65*s.* c.i.f. Honolulu, a grade suitable for confectionery use, is worth from 70*s.* to 80*s.*

HYDROQUINONE is offered at from 10*s.* to 10*s.* 6*d.* per lb. on the spot, and 9*s.* 6*d.* to arrive.

IPECACUANHA.—Small sales of Cartagena have been made at 9*s.* 6*d.* per lb. on the spot, being dearer.

KOLA.—Sales of good bright West Indian whole and halves have been made at 6*d.* per lb.; a fair quantity has been exported to the Continent. At the spice auction 9 bags West Indian offered and sold at 5½*d.* per lb.

LEMON OIL.—Endeavours are being made in Sicily to advance prices, owing, it is said, to American orders having been placed. Shippers quote 4*s.* 9*d.* to 4*s.* 10*d.* per lb. c.i.f. for new crop to arrive. A Sicilian advice dated January 20 states that the market has since the last report remained very firm with a continually upward tendency. The pressing of new oil is progressing very slowly, although the exportation of fresh fruit has not lately been very brisk. It is believed that if exportation should improve, as may be expected, the pressings will become even more limited. The covering of export orders has generally been effected with old crop goods, which have realised on this market almost the same price as new crop. Much higher prices than those last quoted were readily paid, and, although the upward movement has come to a standstill during the last few days, the general position is still very firm.

LINALOL OIL.—The value of genuine is about 12*s.* per lb.

MACE.—At auction 78 packages West Indian sold, including good pale 1*s.* 10*d.* to 2*s.*, ordinary to fair 1*s.* 5*d.* to 1*s.* 8*d.*, red 1*s.* 3*d.* to 1*s.* 5*d.*, and broken 9*d.* to 1*s.* 2*d.*, being 1*d.* to 2*d.* lower for red, and steady for good.

MENTHOL is very quiet and rather lower at from 13*s.* 6*d.* to 13*s.* 9*d.* per lb. on the spot. The exports from Japan during November amounted to 23,385 kin, valued at 156,904 yen. During the eleven months ended November for the past three years the exports were as follows:

	1914	1915	1916
British India	12,144	22,087	21,996
Great Britain	39,980	53,817	126,945
France	17,829	41,774	69,183
Germany	82,600	—	—
United States	82,521	149,606	130,878
Other countries ...	11,948	25,182	11,577
Kin	247,022	292,466	360,579
Yen ...	1,708,558	1,615,810	2,233,984

MERCURIALS.—Owing to the 20*s.* advance in quicksilver, a corresponding rise in the maker's price of mercurial salts is talked of, but nothing has been definitely decided.

METHYL-SALICYLATE is easier at from 5*s.* 6*d.* to 6*s.* per lb. net on the spot.

METHYL SULPHONAL is quoted at 55*s.* per lb.

MILK-SUGAR.—We notice the arrival of 200 cases from New Zealand. Meanwhile limited quantities of Dutch offer at 185*s.* per cwt.

MINT OIL.—The exports from Japan during November amounted to 10,967 kin, valued at 25,903 yen. During the eleven months ended November 30 the exports were:

	1914	1915	1916
Kin	245,028	309,831	345,666
Yen	744,973	629,107	805,347

The London spot price of Japanese dementholised (Kobayashi-Suzuki) is 4*s.* to 4*s.* 1½*d.* per lb.

NUTMEGS.—At auction 393 packages West Indian offered and 381 sold; small and medium sizes were steady, but large are neglected.

OILS (FIXED).—*Linseed* is easier, closing at 48*s.* 9*d.* per cwt. in pipes landed and 49*s.* 9*d.* landed in barrels. *Cotton-seed* is dearer at 52*s.* for crude in pipes, and pale refined in pipes on spot is 52*s.* to 53*s.*; for sweet refined in barrels from 58*s.* to 60*s.* is quoted. *Rape* is firmer, with ordinary brown naked on spot offering at 54*s.* to 55*s.* British refined in barrels is 58*s.* to 59*s.*, and Japanese in cases is 51*s.* c.i.f. for January-February shipment. *Coconut* is firm at 64*s.* for Ceylon in hogsheads on spot and 62*s.* in pipes. Cochin on spot is 64*s.* to 66*s.*, and shipment 63*s.* 6*d.* c.i.f. London pressed is 51*s.* 6*d.* Hankow *Wood* oil is 77*s.* 6*d.* spot. *Soya* is steady, Hull (spot) crushed is 48*s.*, and in London December-January shipment is 47*s.* c.i.f. Lagos *Palm* is firm at 48*s.* on spot, and 44*s.* ex quay Liverpool.

OLIBANUM.—At auction on January 25 100 packages offered, and 31 sold at 47*s.* 6*d.* per cwt. subject for good garblings.

Index Folio 143

OPIUM remains very firm. Persian of 10-per-cent. test offering at 36*s.* to 36*s.* 6*d.* per lb. on the spot, and 11 per cent. Salonica druggists' quality at 40*s.*

ORANGE OIL.—To arrive guaranteed genuine Sicilian is quoted at 11*s.* per lb. c.i.f. terms.

PEPPERMINT OIL in retail demand only on basis of 10*s.* 6*d.* per lb. net for finest brands of American oil in tins, and 14*s.* 6*d.* London terms for H.G.H.

PETITGRAIN OIL.—Finest Paraguayan is obtainable at 12*s.* per lb. on spot.

PHENACETIN.—There are several offers either on spot or to arrive at from 85*s.* to 90*s.* per lb.

PHENAZONE is dearer, 45*s.* per lb. now being quoted, with only a limited quantity available.

PIMENTO.—At auction 114 bags fair were retired at 3¾*d.*; 250 bags (in prize) sold at 3⅝*d.* for greyish.

POTASH IODIDE.—The exports from Japan during November amounted to 10,860 kin, valued at 71,156 yen. During the eleven months ended November 30 they were:

	1914	1915	1916
Kin	75,191	117,191	151,845
Yen	503,268	892,092	1,093,692

The exports of *crude iodine* from Japan during November amounted to 1,343 kin, valued at 6,734 yen. During the eleven months they were: 1914, 12,536 kin; 1915, 25,335 kin; and 1916, 3,044 kin.

POTASH PERMANGANATE.—Parcels continue to make their appearance—sometimes unexpectedly, and exorbitant prices are asked for them, 11*s.* to 12*s.* being wanted.

QUICKSILVER.—On Friday last the first-hand price was advanced by 20*s.* per bottle to 19*l.* 15*s.* The output of quicksilver in 1916 in the United States, according to the U.S. Geological Survey, was 28,942 flasks, valued at the estimated San Francisco average price of $125.90 per flask, at $3,643,800. This was the greatest output in value since 1875, but, excepting the value of $4,228,538 for that year, was the greatest in the history of the industry, which dates back to 1850. The figures for 1916 show an increase over 1915 of 38 per cent. in quantity and 99 per cent. in value.

QUININE.—Business is being done at 2*s.* 5*d.* per oz. for sulphate, which is the makers' price for thousand-oz. lots, and second-hand holders are reluctant to sell at less; in some quarters an improvement in the position is expected.

RESORCIN is lower at from 85*s.* to 90*s.* per lb. to arrive.

SALICYLATES.—Competition between the United States and England is still very keen, guaranteed B.P. salicylic acid now offering at 4*s.* 3*d.* to 4*s.* 6*d.*, and sodium salicylate at 5*s.* per lb.

SALOL.—A very fair quantity has recently been sold from U.S. on c.i.f. terms at comparatively low figures. There has also been a brisk demand for spot, and prices now vary from 10*s.* 6*d.* to 11*s.* 6*d.* per lb. net.

SALVARSAN.—A further easing off in the second-hands quotation for salvarsan to $5.25 per tube is reported in New York, against the first-hand price of $4.50. The last shipment which came through by permission of the British Government amounted to 50,000 tubes, and the outlook is that permits for further shipments may be granted by England.

SHELLAC is dearer, usual standard quality TN Orange selling on a basis of from 150*s.* to 151*s.*, the value of fine orange being from 200*s.* to 210*s.*; AC Garnet is 162*s.* 6*d.* Futures are also dearer, the sales including TN for March delivery at 147*s.* to 151*s.* and May 151*s.* to 153*s.*

SILVER SALTS.—Silver colloidal is offered at 75*s.* per lb., and silver proteinate at 16*s.* 6*d.* to 17*s.* 6*d.* per lb.

SODA HYPOSULPHITE.—Some holders ask 17*l.* per ton for pea crystals; prices are unchanged in U.S., but freight is the chief factor to be considered.

THEOBROMINE SODA SAL is offered at the lower rate of 60*s.* per lb. net.

TURMERIC.—Sales of good Madras finger for speculation have been made at 45*s.* per cwt. on the spot.

TURPENTINE has receded to 52*s.* per cwt. on the spot for American.

VERMILION.—Owing to the advance in quicksilver English makers have advanced their price by 2*d.* per lb. to 5*s.* 8¾*d.* to 5*s.* 9*d.* per lb. according to package.

WITCH-HAZEL containing 15 per cent. spirit is quoted at 9*s.* per gallon.

Arrivals of Chemicals, Drugs, etc.

THE following is a selection of arrivals in the Port of London during the period January 23 to 30 inclusive. The countries specified are those from which the goods are consigned. Goods in transit are not included.

Acetic acid (U.S.) 161 brls.
Ajowan-seed (B.I.) 1,684 bgs.
Albumen, egg (Ch.) 10,443*l.*
Alcohol, wood (Can.) 15,198 gals.
Aloes (Cape) 6 cs., (U.S.) 149 cs.
Alumina hyd. (U.S.) 148 brls.
Ammon. brom. (U.S.) 23 cs.
Anise (Sp.) 30 bgs.
Anise oil, star (Ch.) 25 cs.
Annatto (Den.) 1 tank
Antim., cr. (Jp.) 100 tons, (U.S.) 15 cwt.
Antim. ore 76 tons
Antim. reg. (Ch.) 6 6 tons
Argent. colloidal (Swz.) 2 cs.
Argol (It.) 808 bgs. 20 cks., (Port.) 88 bgs., (Sp.) 163 cks., (Cape) 213
Arsenic (Port.) 2,190 cwt.
Baking-powder (U.S.) 200 crts.
Bals. Peru (U.S.) 10 cs.
Bals. tolu (Colombia) 44 bxs.
Barytes (Sp.) 50 cks. 200 bgs., (It.) 100 bgs.
Belladonna - stems (Fr.) 9 bls.
Benzoin (S.S.) 120 cwt.
Borax (B.I.) 848 cwt.
Boric acid (Fr.) 514 cwt.
Bromides (U.S.) 5 cs.
Buchu (Cape) 8 bls.
Butter-colouring 10 cks.
Calamus-root (Holl.) 20 bls.
Calcium carbide (Swed.) 2,140 cwt.
Calcium lact. (U.S.) 1 cs.
Camphor (Jp.) 40 cs., (H.-Kong) 19 cs.
Canary-seed (Sp.) 900 bgs., (Mor.) 1,896
Capsicums (Nyasa) 105
Caraway-seed (Cape) 14 bgs.
Cardamoms 1 cs.
Casein (Fr.) 1,800*l.*, (B.I.) 1,900*l.*
Cashew - nuts 1,754 cwt.
Castor oil (B.I.) 136 cks.
Cerium nit. (U.S.) 27*l.*
Chillies (Nyasa) 170
Chlorophyl. (Swz.) 3 cs.
Cinchona (B.I.) 134 bls.
Cinnamon 119 bls.
Cloves (Zan.) 2,150 bls.
Cocaine (U.S.) 1 cs.
Cochineal (Can. Is.) 50
Coconut oil, unref. (Cey.) 258 pkgs. 364 cks. 30 pns., refined 25pps.
Copra 37,679 cwt.
Coriander (Mor.) 577 bgs., (B.I.) 148
Corrosive sub. (It.) 30 chts., (U.S.) 50 cs., (Fr.) 6 cs.
Coumarin (U.S.) 1 cs.
Cream of tartar (Fr.) 10 kgs. 2 cks., (It.) 20 cks.
Creosote carb. (Swz.) 2 cs.
Cumin-seed (Mor.) 86 bgs.
Dental goods (Swz.) 63*l.*, (U.S.) 350*l.*
Depilatory (U.S.) 100 brls.
Dextrin (Jp.) 500 cwt.
Drugs, unrated (Swz.) 69 pkgs., (U.S.) 15*l.* (Cape) 10*l.*, (Fr.) 22*l.*
Egg-yolk (Ch.) 1,040*l.*
Ergo apiol (U.S.) 8 cs.
Essential oils (Cey.) 7 cs. 161 drm., (Fr.) 12 cs., (It.) 18 cs. 3×¼ cs. 4×¾ cs. 6 pkgs., (Holl.) 17 cs., (B.I.) 10 pots 50 cs., (U.S.) 11 cs., (Can.) 1 drm., (Jp.) 10 cs., (B.W.I.) 140 cs.; synthetic (Fr.) 2 cs.
Eucalypt. oil (Vic.) 595 cs.
Euphorbia pil. (B.I.) 14 bls.
Farina (Jp.) 400 cwt., rice-starch (Fr.) 950 cwt.
Fenugreek-seed (Mor.) 200 bgs.
Formaldehyde (U.S.) 56 brls.
Fumigators and candles (U.S.) 11 cs.
Gallic ac. (Swz.) 4 cks.
Galyl and neocaine (Fr.) 12 cs.
Gambier 2,755 cs.
Ganja (B.I.) 1 cs.
Gelatin (Fr.) 20*l.*
Glucose (U.S.) 7,305 cwt.
Glycerin dist. (U.S.) 110*l.*
Grindelia rob. (U.S.) 3 bls.
Ground-nuts 1,010 cwt.
G. acacia (Mor.) 137 cwt., (Fr.) 10 cwt., (B.I.) 475 cwt.
G. kauri (N.Z.) 268 cwt.
G. sandarac (Mor.) 378 cwt.
G. tragacanth (B.I.) 45 cwt., (Pers.) 4 cwt.
Heliotropin (U.S.) 2 cs.
Herbal tabs. (U.S.) 68*l.*
Herbs, dried (Fr.) 194 bls., (Jp.) 37 bls.
Honey 196 cwt., (N.Z.) 98 cwt.
Hydrastis (N.Z.) 33*l.*
Indigo (B.I.) 63 chts., (Jv.) 2 cs.
Jalap (U.S.) 59 pkgs.
Juniper-berr. (It.) 252
Kola (Jv.) 221 cwt.
Lead acetate (U.S.) 7 brls.
Linseed (Mor.) 164 bgs.
Liquorice-juice (It.) 164 cs.
Liquorice-root (It.) 28 bgs.
Mace (Jv.) 9 cs., (B.I.) 15 cs.
Maize starch (U.S.) 1,096 cwt.
Medicinal-bark (Ecuador) 250 bls.
Medicines, unrated (U.S.) 62*l.*
Methyl. salicyl. (U.S.) 10 cs.
Milk-powder 344 cwt
Milk-sugar (N.Z.) 200 cs.
Mineral jelly (U.S. 353 cs.
Nutmegs (S.S.) 30 cs. 50 bgs., (Jv.) 45
Oils, fixed: arachis 150 brls. 190 hds.; herring (Jp.) 1,250 cs.; linseed (U.S.) 50 tons; olive, unref. (Sp.) 80 tuns, refined 1 tun 108 gals.; rape-seed (Jp.) 2,000 cs., (Ch.) 40 dms.; shark (Jp.) 500 cs.; soya (Jp.) 1,000 cs.
Ointment (U.S.) 296*l.*
Oleo resin vanilla (U.S.) 4 cs.
Omnopon-tabs. (Swz.) 4 cs.
Oxalic acid (Nor.) 40 cks.
Papain (Cey.) 104 cs.
Paraldehyde (U.S.) 10 cs.
Pepper (S.S.) 560 bgs., (B.E. Af.) 713 bls., (Zan.) 49, (Jv.) 113, (Port. E. Af.) 16
Perfumery, unrated (Fr.) 1,127*l.*
Phenazone (Swz.) 16 cs.
Phenolphthalein (Swz.) 1 cs.
Pimento (B.W.I.) 1,455 bgs.
Plasters and bandages (U.S.) 16 cs.
Pot. chlor. (U.S.) 1,320 cks.
Pot. muriate 16 bgs.
Pot. perchlor. (Fr.) 600 kgs.
Pot. permang. (U.S.) 1 cs.
Pot. persulph. (Swz.) 22 brls.
Potash compounds (U.S.) 2,000 kgs.
Potato - flour (Jp.) 1,621 cwt.
Pyrogall. ac. (Swz.) 3 cks.
Quinine (Holl.) 83,000 oz.
Rennet (Den.) 1,650*l.*
Rosin (Fr.) 938 cks. 300 brls.
Sal acetos (Norw.) 40 kgs.
Salicylic acid (U.S.) 31 brls.
Salol (U.S.) 5 kgs.
Saltpetre (B.I.) 12,185 cwt.
Sandalwood (B.I.) 271 bdls.
Scammony-root (U.S.) 190 bgs.
Seedlac (B.I.) 294 cwt.
Senna (B.I.) 80 pkgs. 1,635 bls.
Sesame-seed 2,000 bgs.
Shellac, 294 cwt.
Silver salts (Swz.) 6 cs.
Silver nucleinate (Swz.) 1 cs
Silver proteninate (Swz.) 3 cs
Soap, household (Fr.) 164*l.*
Soap, toilet (Fr.) 105*l.*
Soda bisulphite (U.S.) 889 cwt.
Soda bromide (U.S.) 3 cs.
Soda caustic (Swed.) 80 cwt.
Soda nitrite (Fr.) 200 cwt.
Soda oxalate (Swz.) 25 cks.
Soda perbor. (Fr.) 98 cwt.
Soy 100 cks.
Spermaceti (U.S.) 175 pkgs.
Strophanthus (B.E.A.) 50 bgs.
Subitol (Jp.) 10 cs.
Sulphur fumigators (U.S.) 15 cs.
Surg. dressings, plasters, etc. (U.S.) 104 cs.
Tannic acid (Swz.) 10 brls. 5 cks.
Tannin albuminate (Swz.) 1 cs.
Tartaric acid (Italy) 60 kgs. 12 brls.
Thorium nit. (U.S.) 2,667*l.*
Toilet - powder (Fr.) 78*l.*, (U.S.) 1,760*l.*, (Holl.) 17*l.*
Triacetin (Swz.) 1 cby.
Tricresylphosphate (Swz.) 1 cby.
Vacuum-flasks (U.S.) 290*l.*
Valerian (U.S.) 81 bls.
Vanilla (Madag.) 7 cs.
Wax (Zan.) 152 bls. 154 bgs., (B.E.Af.) 150 bgs. 82 pkgs. (Straits) 16 pkgs., (Fr.) 269 pkgs., (Port. E. Af.) 1,952 pkgs. 24 bgs., (Nyassa) 9, (Cape) 80, (Natal) 80, (B.W.I.) 7, (Holl.) 46, (U.S.) 9 cs., (Java) 50 cs., (Mor.) 50, (Gib.) 4 bgs.
Wax, paraffin (U.S. 7,850 cwt.
Witch - hazel leaves (U.S.) 3 bls.
Zinc sulph. (U.S.) 1 cs.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Prussic Acid.

Sir,—As pointed out by "Xrayser II.," it does seem remarkable that Scheele, in his essay on "Prussian Blue," gives no hint that he was acquainted with the poisonous nature of prussic acid, notwithstanding that he seems to have tasted it pretty thoroughly, because he says, "It has a peculiar but not disagreeable smell; a taste somewhat approaching to sweet, and warm in the mouth, at the same time exciting cough." As for Nicholson, he does not appear to have been acquainted with this characteristic in 1795, but in his second (8vo) edition of his Dictionary in 1808 he refers to Schrader's identification of it "with the deleterious principle that rises in the distillation of the leaves of the lauro-cerasus." This would be about 1802. From 1801 to 1806 it was used in medicine by Borda, Brugnatelli, and Rasori, and in 1805 Emmert published a dissertation upon its poisonous effects upon animals. By far the best account of the history of the discovery of prussic acid is that given by Fourcroy in his "General System of Chemical Knowledge" in ten volumes, translated by Nicholson, and published in 1804. Fourcroy ("Elements of Natural History and Chemistry," Eng. Trans., 1788) says it was de Morveau who named it "Prussic acid." It appears in the "Méthode de Nomenclature Chimique" (1787), for which de Morveau, Lavoisier, Berthollet, and de Fourcroy were responsible, in the list of acids as *Acide Prussique*.

Yours faithfully,

Manchester. William Kirkby.

What it Costs to Run a Pharmacy.

Sir,—I have read with much interest the article by "National Efficiency" in the *C. & D.* Winter Issue, and, while agreeing with a good deal of it, I feel that the plan set out by him is much too complicated to be possible or even perhaps desirable to be carried out by ordinary retail chemists. I do not see how the actual cost of the dispensing department can be ascertained without an amount of labour and bookkeeping quite incommensurate with the value of the information obtained. For instance, it would be very difficult, I take it, to charge to the dispensing department for drugs used therein, and again to charge to it every small fraction of time employed thereat. Of course these considerations do not apply where there is a separate dispensing department with one or more dispensers always working there. I am strongly of opinion that the best plan is for every chemist to dissect a statement of his expenses. These should include rent, rates and taxes, fire insurance, employers' liability insurance, light, heat, repairs and renewals, interest on all capital employed in the business (bank rate being taken as a minimum), manager's salary, or, if the proprietor is his own manager, salary for his services, assistant's salary, porter and errand-boys' salaries, postages and telegrams, printing, stationery and advertising, carriages, telephone, audit and bank charges, legal fees, bad debts, subscriptions and donations, depreciation, licences, and sundries. The ratio of the total of the above standing charges to the purchases gives the percentage of profit on cost which must be made to ensure a bare return for money invested and services rendered. Where possible a larger profit should be put on so as to give a margin of real profit, and it is obvious that no contract work should be undertaken which does not allow a percentage of profit found as above to be added to the cost of the raw materials used. In making examinations of the books of some businesses which have been open to me, I have found like your contributor, that the percentage rate of the expenses varies enormously. Indeed, in the case of some small businesses, where an abnormally high rent has had to be paid, I can confirm what he says—that the amount of the expenses equals, and in some cases even exceeds, the cost of the goods bought; in other words, in these cases it is essential, for obtaining a bare return on capital and the market value of services rendered, that nothing should be sold at less than 50 per cent. profit on selling prices, or 100 per cent. profit on cost prices. Of course, in practice some goods, such as patent medicines, must be sold at a very much smaller rate of profit, but this necessitates other goods, and dispensing in particular, earning a higher rate of profit. Yours faithfully,

Exeter. H. Wippell Gadd.

Window-dressing.

Sir,—Mr. Body's article in the Winter Number (p. 94) achieves nothing beyond establishing the fact that he is, like Sisyphus, doomed to "roll the stone up the eternal steep." It amounts to this, evidently, that we are not justified in making a living unless according to so-called legitimate methods. There might be some excuse for the attitude of the advocates of professional status if the facts were as stated by Mr. Body. For example, he says in effect that we alienated the doctors by dressing windows. On the contrary, the alienation was effected when the doctor forsook his B.P. for the *soi-disant* literature of the pushful firms who specialise in "elegant" preparations. Doctors began to prescribe proprietary goods, and the dispensary-shelves became loaded with bottles of various preparations. Of these a few ounces were prescribed and then left alone by the doctor, who fell an easy victim to the next piece of "literature" supplied to him. Pharmacists began to think furiously, for they felt the remunerative dispensing slipping from them, and in place of it they were encumbered with lines that represented a serious loss. I maintain that it was the filching of profitable dispensing in the manner I have only briefly indicated that drove the pharmacist to commercialism. How else was he to live? What indignity is there in selling such sundries as we do sell? Now, there is far too much nonsense talked and written about dignity and status and the like. The public have no special interest in the tremendous cleverness of the pharmacist, but some pharmacists are conceited enough to imagine that the public regards them as great men. There are many people much cleverer than pharmacists who are not too proud to sell something—or anything for that matter. Again, if the art-for-art's-sakers think it humiliating to sell things not known, admitted, and approved (by them), why do they not get out of the trade and leave the poor undignified wretches to compass their own commercial damnation? Now, I am not, and never have been, a scoffer at the Pharmaceutical Society (of which I am a member), but I have stated before that they must recognise commercialism instead of trying to choke it. There ought to be a real business Committee formed, and invested with powers like the Council have, but only relating to the commercial side. Our status is not in danger if we strengthen ourselves numerically and financially. The war has shown that learned gentlemen from Oxford and Cambridge do not always succeed when practical problems require tackling. No more can gentlemen from Bloomsbury Square (qualified by examination) "make good" entirely on academic lines. *A propos* the "hewing of wood and drawing of water," it is the anti-publicity men who are doing that. The rest of us are hewing chunks out of hide-bound tradition, and drawing salaries. John M. Turner.

Camden Town, N.W.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

N.T.C. Mixture.

A. J. O. (199/73) asks in regard to N.T.C. mixture given in cases of typhus. We shall be glad to receive any information about the mixture.

Thermalene Gas.

F. S. (123/33) writes: "I notice in The Chemist and Druggist, January 27, p. 81, that a correspondent wishes to know what thermalene gas is. It is a mixture of acetylene gas with oil-vapour produced by the heat generated by the action of water on calcium carbide. A good account of its production, uses, and advantages is given in the 'American Machinist,' September 2, 1916."

Apothecaries' Assistants' Examination.

I. Thursday (200/42) considers it a shame that this examination should be ridiculed, and feels it expedient to express appreciation of it, "especially as an antagonist to the members of pharmacy, whose satirical sentiments are intended to belittle this Society and its assistants." He found the examination "a real test for competency, in dispensing especially, where pills, suppositories, etc., are given. The examiners were equitable, but searching, and granted certificates only to those who presented themselves with the necessary knowledge."

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

W. S. C. (203/7).—Cocaine and Morphine Sales.—The form of register for these was indicated in the *C. & D.*, August 5, 1916, p. 43. Most of the chemists' printers have produced registers carrying out these instructions of the Home Office.

G. E. W. (202/52).—Sale of Glycerin.—There has been no official announcement that the sale of glycerin will be prohibited entirely at any particular date. Intimation has, however, been given that if the restrictions at present in force are not adhered to other steps will have to be taken (see *C. & D.*, December 16, 1916, p. 51).

N. H. B. (201/51).—You confuse Jay Mack's statement (*C. & D.*, January 27, p. 105) with an income-tax return. It is right and proper in ascertaining how a business is going to include "own wages" as part of the expense of running the business. This with the net profit of the business constitutes the proprietor's income.

R. B. (202/22) acts as qualified manager in his mother's business, and proposes to become her partner. He asks for advice and directions as to the preparation of a simple agreement. [Forms of partnership articles are obtainable from stationers, but we do not advise anyone to complete the articles without legal help from a solicitor.]

Magnesia (200/61) asks if calcined magnesia or carbonate of magnesia can be sold as "Digestive Magnesia" without incurring stamp-duty, and, if so, can it be sold by anyone if recommended for acidity, etc.? [As "Digestive Magnesia" it may be sold by anybody unstamped and without a patent-medicine licence, but if recommended for acidity or any other human ailment it may only be sold by registered chemists or other exempted persons, and by those licensed to retail stamped medicines.]

Glycerin (197/56).—No regulation has been made in regard to the use of glycerin medicinally, but it is sold on condition that it will be used only in cases where it is essential as a medicine. You are entitled to supply it for the purpose of being used as a rectal injection, and you are not required to get a prescription for it; but we consider that you as a pharmacist and a citizen, when in any doubt as to the purpose for which the glycerin is required, should suggest to the customer that a prescription is desirable.

Labels (197/15).—The following titles do not in themselves involve liability to medicine stamp-duty: "Back and Kidney Mixture," "Bark Tonic," "Blood-mixture," "Bronchial Mixture," "Chest and Lung Mixture for Adults," "Children's Chest and Lung Mixture," "Digestive Mixture," "Extra Strong Female Mixture," and "Nervine Mixture." "Febrifuge" is a dutiable title, but an exempted person, such a chemist and druggist, may sell it as a known, admitted, and approved remedy unstamped.

Panel Chemist (200/55) asks if it is legal for the Middlesex Insurance Committee to make a debit against chemists' bills for expenses of the Pharmaceutical Committee, as has been done in this month's statement. [By Section 33 (2) of the National Insurance Act 1913, Insurance Committees are authorised to use one penny per insured person in respect to the expenses of the Medical and Pharmaceutical Committees. The Pharmaceutical Committees are authorised by the Medical Benefit Regulations (England and Wales), 1916, Section 8 (1), to deduct the amount from payments made for drugs and appliances (see *C. & D.*, January 27, p. 101).]

W. E. W. (201/56).—One of the conditions upon which the Board of Customs and Excise allows exempted persons to sell known, admitted, and approved remedies unstamped is that "the label contains an adequate indication of the ingredients." Your cough-mixture label states that the mixture is compounded of four articles, which are named, but the title is prefixed by the name of a fifth article; and it is stated further on that "in conformity with the Poisons Act this mixture contains a small percentage of morphine, and is labelled 'Poison'—this makes a sixth constituent. It follows that your statement about the mixture being compounded of four ingredients is not correct, and it may be considered inadequate by the Board, which, however, declines to state whether a preparation is exempt or not. We cannot advise further without the formula.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

A. N. (201/10).—White Oils.—The following is a formula for an inseparable white oils for veterinary use, and free of eggs. It is a modification of the official turpentine liniment:

Solution of potash	3 oz.
Oleic acid	7 dr.
Turpentine	13 oz.
Camphor	1 oz.
Distilled water to	20 oz.

Mix the solution of potash with an equal quantity of water in a bottle, add the oleic acid previously mixed with 3 oz. of oil of turpentine, and mix by gently inclining the bottle up and down. When the emulsion is formed add the rest of the turpentine, containing the camphor in solution, in ounce quantities, gently shaking after each addition. Finally add distilled water to produce a pint.

Electrodes (198/50).—Bichromate Cell.—The solution required in the bichromate battery is made as follows:

1. Potassium bichromate	℥iv.
Mercury bisulphate	℥ss.
Sulphuric acid...	℥v.
Water	℥vj. ʒij.

Dissolve the salts, and add the acid slowly with stirring.

2. Sodium bichromate	140 grams
Sulphuric acid...	300 c.c.
Water	1,000 c.c.
3. Chromic acid	1 part
Water	4 to 6 parts

J. J. S. (195/28).—Rickets in Collies.—This is a disease due to malassimilation or want of the supply of the nutritive material required for the formation and development of the bones. It becomes, therefore, important to study the food-supply and provide so far as possible the elements needed in bone-growth. The animals should be regularly and carefully fed and get plenty of pure air. A mild aperient should be given in the earlier stages, and antacids, such as lime-water and bicarbonate of soda, with nourishing food rich in bone-producing matter (good milk, linseed tea, cod-liver oil, etc.). Compound syrup of phosphates is a good restorer, and can be given alone or combined with virol. Lime-water may also be administered.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Feb. 15, 1867.

The Codex.

In his second article Mr. Joseph Ince dealt with the laws which regulate the practice of pharmacy in France. This included the general regulations with abstracts of the whole, including the declarations respecting the Schools of Pharmacy, special duties of pharmaciens, trade laws, the Codex, inspection of pharmacies, law as to the sale of adulterated dietetic or medicinal substances, medicines for external use, a special section dealing with poisonous substances, patent medicines, and mineral waters. In his introduction Mr. Ince made the following statement:

For the convenience of the English student the calendar invented during the last phase of the Revolution is subjoined.

The new era dated from September 22, 1792, the epoch of the foundation of the Republic. There were twelve months of thirty days:

1. Vendémiaire from September 22 or 23 to October 21 or 22.
2. Brumaire from October 23 to November 21.
3. Frimaire from November 21 to December 20.
4. Nivôse from December 21 or 22 to January 19 or 20.
5. Pluviôse from January 20 to February 18 or 19.
6. Ventôse from February 19 or 20 to March 20.
7. Germinal from March 21 to April 19.
8. Floréal from April 20 to May 19.
9. Prairial from May 20 to June 18.
10. Messidor from June 19 to July 18.
11. Thermidor from July 19 to August 17.
12. Fructidor from August 18 to September 16.

Each month had three decades; each decade ten days; each day being named from its order in the decade: Primidi, Duodi, Tridi, Quartidi, Quintidi, Sextidi, Septidi, Octidi, Nonidi and Decadi. The year was thus divided into 360 days. Providence having arranged differently, an embarrassment occurred, which was met by adding five national holy days: 1. The Festival of the Genius (Génie). 2. Labour (Travail). 3. Actions (Belles Actions). 4. Rewards (Récompenses). 5. Opinion (l'Opinion).

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This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

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A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

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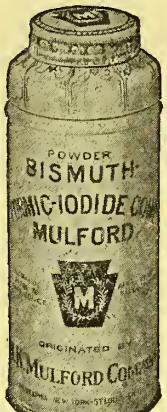

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Rad. Ipecac. Rio., 1 lb. @ 11/-.
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Rad. Rhei., E.I., English Ground, 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.
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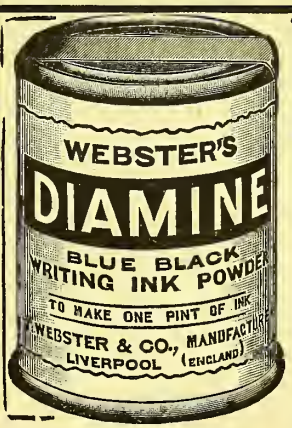

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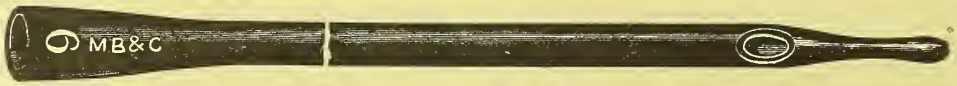

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		10,00	£2

Delivered prepaid Parcel Post. We will send advertising matter and samples packed with the goods.

Send us with your order the names of 100 of your lady customers, and we will mail each of them a handsome folder, asking them to call at your store and get free our Guest Room Package, containing one each of the above in sample sizes, including perfume.

If more convenient to you, specify shipments from our Canadian Branch.

FREDERICK F. INGRAM CO.

(ESTABLISHED 1885)

411 Lafayette Blvd. W., DETROIT, U.S.A

Canadian Branch : WINDSOR, ONT.

Twenty-five years continuous advertising has made this trade mark known wherever American and Canadian publications are read.

"OUR BOYS'" TESTIMONY CONCERNING "RODINE."

"'Rodine' simply cleaned the rats out of our billets."

Pte. A. H. White, 628 Coy., M.T., A.S.C., France, writes: "Please send another tin of 'Rodine' Rat Poison. The last tin has done such extremely good work, and simply cleaned out our old billet. We have been shifted to a new billet, and the rats play hide-and-seek over our beds and round our heads each night."

"Rodine" is on the P.A.T.A. and yields nearly 100% profit. Get it direct from the Maker:

HARLEY,
Manufacturing Chemist,
PERTH, Scotland.

Export Agents:
TOZER, KEMSLEY & MILLBOURN, 84 Fenchurch Street, London, E.C.

(1)

BEFORE YOU PLACE THAT NEXT ORDER

See our samples and quotations of—

PURE MEDICINAL WHITE OIL. (Odourless—Tasteless—Colourless).

FINE ODOURLESS WHITE OIL.

HALF-WHITE OILS.

TOILET PARAFFINS.
(Delicately perfumed and coloured).

LANOLINES.
(Wool-fat. Hydrous and Anhydrous).

Our prices will save you MONEY.
Why not send us your inquiry now?

BARTOLINE (Hull), LTD.

Importers and Manufacturers,
2 Myton Place,
HULL.

Bartoline Oils & Preparations are BRITISH to the core.
[Established 1876]
WHOLESALE QUANTITIES ONLY.

SUPPORT THOSE WHO SUPPORT YOU

Distributors are therefore asked to support us in preference to NON-PROTECTED MAKES.

33⅓ % MINIMUM PROFIT

RECOMMEND

JOHN BOND'S "CRYSTAL PALACE" MARKING INK.

FIXED SELLING PRICES

With or without heating, whichever kind is preferred.

PLEASE SPECIFY WHEN ORDERING.

As supplied to the Royal Households, and awarded forty-five Gold Medals, etc.

The "ANTI-CUTTING RECORD" says:—"We are strongly of opinion that John Bond's 'Crystal Palace' Marking Ink should not only be kept in stock, but, in common fairness to the Proprietor, distributors may justly give this well-known line all the display, recommendation and push in their power."

MANUFACTORY, 75 SOUTHGATE ROAD, LONDON, N.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.

FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY Co., Ld.

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

BRITISH MADE

SCENT SPRINKLERS COLLAPSIBLE TUBES

Decorated Tin Boxes & Canisters

Manufactured by

The JOHN DALE Mfg. Coy.,

NEW SOUTHGATE, LONDON, N.

Patent 6916.

TO MANUFACTURING AND WHOLESALE DRUGGISTS, &c.

We beg to call attention to the fact that our well-known Patent Stills are made for heating by steam pressure. Where this is available it forms a very cheap and efficient method of obtaining distilled water. Any pressure will suit from 10 to 200 lb., made in various sizes to produce from 1½ to 15 gallons PER HOUR. Cost of distilled water made this way is practically nil. As with our Gas Stills, these are perfectly automatic. Prices as below:—

For producing up to

1½ gallons per hour,	£3 10 0	Plus 25% net War Advance.
" 5 " "	£10 0 0	
" 9 " "	£12 10 0	
" 15 " "	£16 10 0	

The few most important places we give below afford evidence of the quality, efficiency and economy of the Steam Stills:—National Physical Laboratory, 2 in use; Imperial College of Science 8 in use; University of Wales; Pharmaceutical Society; Guy's Hospital Bacteriological Department; and many of the leading Breweries and Drug Houses, etc. etc.

Pamphlets & particulars forwarded on application

Estimates submitted free if required for supplying and fitting complete.

BROWN & SON, Alembic Works, 9 Wedmore St., Holloway, N.

For FOUNTAIN PENS and all Pens the Best.

Dichroic Ink

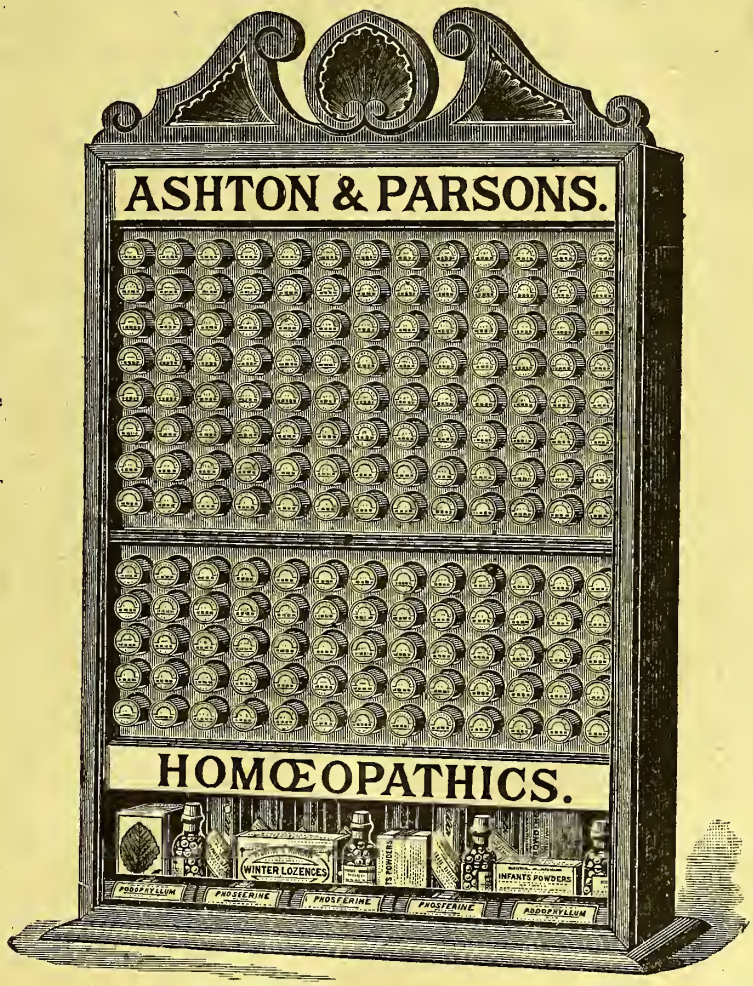
Makes Writing Easy

Proprietors:

Bewley & Draper, Ltd., Dublin.

ASHTON & PARSONS'
HOMŒOPATHIC SHOWCASE

18/-



18/-

THE "A. & P." SHOWCASE

PRICE - - 18/-

ASHTON & PARSONS supply their Showcases at actual cost price No need to purchase a large quantity of unsaleable stock to obtain a so-called "free" Showcase.

WRITE FOR ILLUSTRATED LIST, POST FREE.

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.

GÉRAUDEL'S PASTILLES

The most popular and best selling Pastilles in the World.

Showcards on Application.

These Pastilles are most delicately and carefully prepared from Norwegian Pine Tar, and afford instant relief to

SORE THROAT, COLDS, COUGHS, BRONCHIAL AFFECTIONS, &c.

MINIMUM RETAIL PRICE, 1s. 3d. PER BOX.

JÉCOL

A complete treatment for all Liver Disorders.

CHOLAGOGUE. TONIC. DIURETIC. ANTITOXIC.

MINIMUM RETAIL PRICE, 3s. 3d. PER BOX.

GÉRAUDEL'S PASTILLES & JÉCOL AFFORD VERY REMUNERATIVE PROFITS TO THE TRADE.

Prepared by A. GÉRAUDEL, Ste. Menehould, Marne, France.

BOTH THE ABOVE SPECIALTIES MAY BE OBTAINED THROUGH THE WHOLESALE HOUSES.

Agents: **GILBERT, KIMPTON & Co.,** Peninsular House, Monument St., LONDON, E.C.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C SATURDAY, FEBRUARY 3, 1917

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**
Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Thres words counted as two.)

BEST RESULTS EVERY WEEK!

There is no need to guarantee the genuineness of the advertisements in 'The Chemist & Druggist Supplement.' Everybody in the drug-trade knows that only *bona-fide* paid-for advertisements are inserted. The 'Chemist & Druggist Supplement' knows no dead-heads, for it gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—PICCADILLY (Near).—For immediate Disposal, high-class Dispensing and Retail Business; returns about £1,200; *gross profit between* £650 *and* £700; the business is known to us, and we can recommend it; valuation terms.

2.—SLOANE STREET (Near).—Retail and Dispensing Business; held by vendor upwards of 30 years; returns £2,000; *gross profit* 50 *per cent.* (proof given); terms, goodwill £250, stock and fixtures by valuation; good opening for a partnership.

3.—LONDON, W.—Established Business, capable of considerable extension; situate in the best position; the shop offers a splendid nucleus; the returns at present are about £20 weekly; terms, valuation of stock and fixtures; death reason for disposal.

4.—HAMPSTEAD HEATH (Near).—Family and Dispensing Business; returns, under management, between £8 and £10 per week; the locality is developing, and an opening presents to largely extend the turnover; comfortable residence; vendor's own property; price £200.

5.—ISLINGTON, N.—Retail and Dispensing (N.H.I.) Business; in main marketing thoroughfare; returns £900 to £1,000 yearly; *gross profit* 50 *per cent.*; price £300, or prompt offer; corner shop, double fronted, nicely fitted, and very well stocked.

6.—LONDON, S.W.—Well-established Business, situate in residential locality; returns upwards of £1,000 yearly; *net profit* £300; lock-up Pharmacy; well fitted and fully stocked; valuation terms.

7.—HERTS (Borders of).—Ready-money Business; held by vendor many years; returns over £30 per week; good position in main thoroughfare; comfortable residence, with garden; rent moderate; price about £500; vendor invites the fullest investigation.

8.—WEST ENGLAND.—Old-established Business, Retail, Dispensing, and Agricultural; situate in best position in good market town; returns about £1,700; about £1,000 required, for which full value is offered.

9.—CARDIFF.—Retail and Dispensing, together with Wines; returns £1,500; excellent premises, situate in main thoroughfare; vendor desires to take up an appointment, and for a quick sale will accept the value of stock and fixtures.

10.—HOME COUNTY (Within Easy Distance of Town).—Good-class Business, with excellent Optical connection; returns upwards of £2,500 per annum, *with net profit* £500; price £1,200, or valuation terms if preferred.

11.—PARTNERSHIP.—A partner required in very old-established Business situate on the coast; a gentleman with a small capital would not be objected to; returns, including branch, between £2,500 and £3,000.

12.—A PROFITABLE OLD-ESTABLISHED COUNTRY BUSINESS, situate in centre of small market town, Hants, giving a *net profit of over* £300; large shop, with comfortable residence; price £450.

13.—SOUTH COAST (Good-class town).—Retail and Dispensing Business; good opening for Side Lines; returns between £1,000 and £1,100; *net profit about* £400; exceptionally good house; all in good repair; price £750.

14.—NORTHERN SUBURB.—Middle-class Retail, chiefly ready money; returns average between £1,050 and £1,100; *net profit* £450; price about £600; full inspection invited.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

PARSON C. BAKER

(Pharmaceutical Chemist),

Trade Valuer & Transfer Agent.

Recommended by The British Drug Houses, Ltd.; Messrs. Meggeson & Co.; Barclay & Sons, Ltd.

Valuer to the Association of Manufacturing Chemists.

1 Mountfield Road, CHURCH END, FINCHLEY, N.

Tel. No.: Finchley 812.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

Established over Half a Century.

Telegraphic Address: "Tomtom."

BATTAM & HEYWOOD

(Estd. 1837.)

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS.

Balance Sheets Prepared. Books Audited.

3 DAVIES STREET, BERKELEY SQUARE, W.

Telephone: Gerrard 2169.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

95 Jewry Street, Fenchurch Street, City.

Telephone: 1809 Central.

NO CHARGE TO PURCHASERS.

1.—CORNISH RIVIERA.—Best-class Dispensing and Family Retail Business in same hands many years; returns last year £1,025, in normal times nearer £1,200; net profit £350; commanding Pharmacy in very best position; good house; price £850.

2.—HOME COUNTY.—Good-class Country Retail Business, easily worked; returning about £900 at good profits; pleasant market town; exceptionally good house; moderate rent; well fitted and fully stocked; price £650.

3.—ESSEX (Popular Seaside Resort).—For immediate sale, through death; good-class Business; returns average £800; plenty of scope in smart energetic hands; well-appointed Pharmacy; good house and garden; price about £600.

4.—SOMERSET.—Light Retail Business, in good market town; owner retiring through ill-health; returns £500; plenty of scope; net profit £200; price simply valuation, about £300.

5.—SUSSEX COAST.—Well-established Light Retail, Dispensing, and Prescribing Business in rising seaside resort; returns about £650; good profits; splendid house; attractive Pharmacy; price only £250; worth attention.

6.—LONDON SUBURB, S.E.—Middle-class Cash suburban Retail, not on Panel; returns £900, increasing; net profit £250, practically unopposed; well fitted and stocked; books properly kept; price £400.

7.—LONDON, N.W.—Good middle-class Retail; no Panel or Poisons sold; returns £600; net profit about half; low rent; look-up shop, double-front and handsomely fitted; price £275; trial allowed.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 90 of the *C. & D. Diary*, 1917.

Have you read it?

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

ILKLEY.—Old-established Business; central position; rent £90; average turnover £800; wine licence. For further particulars apply Parkin S. Booth, F.A.A., 2 Bixteth Street, Liverpool.

NEAR Liverpool.—Light Retail and Dispensing Business for Sale; returns 1916 £820, increasing; net profits one-third, certified by accountants; specially suited for Lady Chemist; introduction will be given; applicants enclosing references will only be replied to; advertiser wants larger business; no Panel work. 126/37, Office of this Paper.

WEST MIDLANDS.—A good Business for Sale, through ill-health; returns near £600; rent £40, let off £26; good house and garden; splendidly fitted shop, well stocked; commanding position; side entrance; bathroom, w.c. upstairs; sacrifice £450 or offer. "Imperative" (126/24), Office of this Paper.

MARKET TOWN, Hampshire.—Owing to Difficulty in Obtaining Trustworthy Manager.—Handsomely-fitted, good-class Pharmacy for Sale; returns £1,750 under management; large premises on lease, suitable for big business; short hours; no Sunday duty; practically no N.H.I.; about £1,000; valuation terms entertained; no Agents. 127/30, Office of this Paper.

PHARMACY (small) in wealthy neighbourhood in West London for Sale; well stocked, compact, and in good condition; price £250; inspection invited. 127/4, Office of this Paper.

SALE or Amalgamation.—Druggists' Sundries and Dressings Business; London; negotiations through principals only. Apply, 200/33, Office of this Paper.

LEGAL.

NOTICE.

IN THE MATTER OF THE TRADING WITH THE ENEMY AMENDMENT ACT, 1916,

AND

IN THE MATTER OF RADIUM, LIMITED, of 93 MORTIMER STREET, LONDON, W., Dealers in Radium and Radio-Active Substances, etc. (Enemy Subjects).

BY an Order of the Board of Trade, dated the 7th November, 1916, under Section 1 (i) of the above-mentioned Act, requiring the business carried on in the United Kingdom of the above-named firm to be wound up, Charles RYLAND BEEBY, of 66 Basinghall Street, London, E.C., Chartered Accountant, was appointed Controller of the firm, to control and supervise the carrying out of the said Order, and to conduct the winding up of the business; notice is hereby given that the creditors of the firm are required on or before the 24th day of February, 1917, to send their names and addresses, and the particulars of their debts or claims, to Charles Ryland Beeby, of 66 Basinghall Street, London, E.C., the Controller of the firm; and if so required, by notice in writing from the said Controller, are by their solicitors or personally to come in and prove their said debts or claims at such time and place as shall be specified in such notice, or in default thereof they will be excluded from the benefit of any distribution made before such debts are proved. All persons having in their possession any of the effects of the said firm must deliver them up to the Controller, and all debts due to the firm must be paid to him.

DATED this twenty-fourth day of January, 1917.

C. RYLAND BEEBY,
Controller.

FOR SALE.

BRASS Knife-Edge Beam Drug Scales to weigh 4 lb., 35*s.* new; 1 lb. Sodii Iodid., 16*s.* lb.; 3 lb. Sodii Brom., 5*s.* lb.; 2 lb. Bismuth Trisnit, 11*s.* lb.; 2 lb. Bismuth Subgallate, 12*s.* lb.; 6 oz. Phenazone Tablets, 2*s.* 6*d.* oz.; 2 oz. Pulv. Phenazone, 2*s.* 6*d.* oz.; 80 Shop Rounds, fair condition, 10 to 60 oz., 6*d.* to 1*s.* each; 2½ doz. Jap. Air Pillows, 12*s.* the lot. "C.," 278 Borough High Street, S.E.

COSTLY Set complete full-size Optical Testing Case and appliances, American Optical Co., about 90 Lenses, Plated Rims with three holders, small stock of fitted frames, spectacles, chains, charts, crystal show stands, glass eye outside iron blue spectacle frame, revolving clockwork show stand, green window electric flash light lettered, etc. 127/2, Office of this Paper.

FOR Sale, second hand, two Wall Cases, also six ranges of Drawers; as good as new; price moderate. McInroy, 64 Brunswick Road, Liverpool.

FOR Sale.—Chemists' Shop Fixtures, comprising two Counters, Window Enclosure, Dispensing Screen, Wall- and Show-Cases, Jars, Bottles, etc. Apply, Seward, Auctioneer, Chatteris, Cambs.

SELF-ADDING National Cash Register for Sale, Second-hand; suit any business; accept low price for quick sale. Write to F. Oldfield, 214 Queen's Road, Walthamstow, E.

TRANSFER Labels; suitable for Tooth Powder, Boracic and Zinc Ointments, Cold Cream, Camphor Ice, Complexion Wax, etc.; nice designs; from 4*s.* 6*d.* per 1,000; lower price to clear; send P.O.O. for sample 1,000 to Lever, 107 Leicester Road, Broughton Park, Manchester.

WHAT offers for whole or part 1 cwt. Camomile Flowers. Sample on application. Pannett & Neden, 210 Stewarts Road, S.W.

4 DRAMS Bromural, 6 drams Dermatol Allantoin, ½ oz. Benzamin. Hydrochlor., 1 oz. each original unopened Pyramidon, Citarin, Hexalet, Mesotan, Pulv. Chinosol, Hæmatoxylin, 2 oz. Guaiacol Pur. Liq., 4 oz. Iodol, 1 lb. each Sulphonal, Salol Salicin., 2 lb. each Bism. Cit., Bism. Salicyl. 6 lb. Ext. Belladon. Liq., 40 gr. Hyoscin. H.Br. Apply, 126/18, Office of this Paper.

7 LB. Potas. Permang., 10*s.* lb.; 4 oz. Resorcin, at 9*s.* lb.; 2 oz. Dr. Ritsert's "Anæsthesine"; 1 lb. Schering's Sod. Salicyl., 15*s.*; ½ lb. Schering's Acid. Salicyl., 7*s.* 6*d.*; ¼ lb. Guaiacol. Carb.; ¼ lb. Guaiacol. Carb. Tablets, at 7*s.* 6*d.* oz.; 1 oz. Chinosol Tablets, gr'v., Knoll, at 2*s.*; 1 oz. Bayer Aspirin, 3*s.*; 1 oz. Merck's Veronal, 5*s.* 6*d.*; 6 doz. "Wait and See Pills," 50 per cent. Dis.; 1 gross Vin Sanguis, 33 per cent. Dis.; all Tokalon Preps., 50 per cent. Dis.; ½ gross Pocket Canteens, 50 per cent.; ½ gross Pocket Canteen Refills. 129/800, Office of this Paper.

BUSINESSES WANTED.

WANTED, in England, on sea-coast, a good, going Chemist's Business doing about £1,000 a year, but capable of increase under an energetic young man; inquirer is desirous of succeeding a Chemist who is intending to retire *after the war.* A widow's business at present under management not objected to. Full particulars to 126/35, Office of this Paper.

AGENCIES.

IRELAND.—An experienced Traveller, representing first-class London Houses, who has a first-rate connection among Chemists and Druggists, is desirous of obtaining an additional Agency on commission and part expenses; highest references. Apply 128/36, Office of this Paper.

DENTAL ROOMS WANTED.

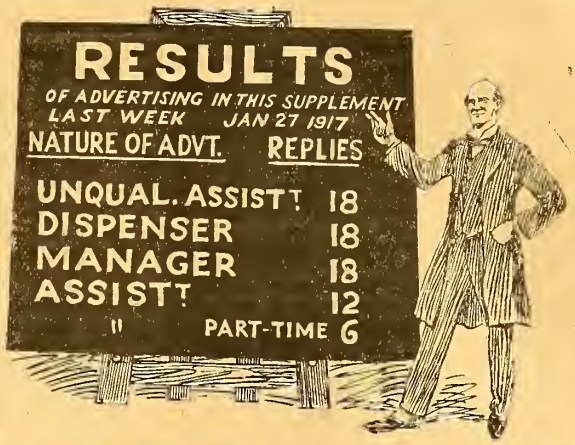
DENTAL Surgery.—Advertiser requires Room or Rooms as a Dental Surgery, with or in proximity to a Chemist's, London or suburbs. "W. R.," 14 Norbury Avenue, Norbury, S.W.

SITUATIONS OPEN.

3*s.* 6*d.* for 50 words or less; 6*d.* for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6*d.*

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BARNSLEY.—Unqualified Assistant (outdoors) of either sex, if male ineligible or above military age, for Retail and Dispensing (chiefly N.H.I.) business; good salary to energetic competent Assistant; hours 8.45 to 8 (1 p.m. Thursday). To avoid delay, give particulars as to experience, age, and reference in first letter, Nash, Pharmacist, Barnsley.

BATH.—Wanted, an Assistant experienced in good-class Dispensing business; lady or gentleman, but if latter ineligible for military service. State particulars as to age, experience, and salary in first letter to Hawes, Chemist, St. James's Square, Bath.

BEDLINGTON, Northumberland.—Competent Assistant (outdoors), male or female, for Dispensing and General Retail. Give full particulars as to experience, age, and salary required, to Geo. Foggan, Leadgate House, Bedlington, Northumberland.

BERKS.—Qualified Manager for Dispensing and Light Retail in good-class residential neighbourhood about 23 miles from town. Apply, 123/38, Office of this Paper.

BIRMINGHAM.—Unqualified man, over military age or rejected for military service, required for comfortable position in Head Office of a well-known company of Retail Chemists; must be good at figures and well up in drug prices, etc. "Check" (126/140), Office of this Paper.

BLACKHEATH, S.E.—Lady Assistant to help at Dispensing and do Bookkeeping; first-class Retail and Dispensing business; either full time or part time, mornings and evenings essential; two other lady Assistants kept. John H. Bailey, Pharmacist, 61 Old Dover Road, Blackheath.

BOLTON.—Wanted, qualified Assistant; outdoors; preferably over military age; comfortable position; half-day weekly, and no Sunday duty. Apply, with references and stating salary required, to Wardle's Drug Stores, Ltd., Egerton Street, Moses Gate, near Bolton.

CAMBRIDGE.—Wanted, lady or gentleman (if latter, must be ineligible for military service), as Qualified Assistant in good Dispensing business; in- or out-door. Apply, G. Beall & Son, Pharmacists, 25 Sidney Street, Cambridge.

CARDIFF.—Duck & Son require an Assistant; outdoors. State age, height, experience, salary, etc.

EALING, W.—Assistant wanted (lady or gentleman) for good Dispensing business; Bookkeeping and Counter or Dispensing. Apply, stating age, experience, and salary required, to W. A. Weston, 8 Sandringham Parade, Ealing, W.

HAMPSHIRE.—Lady or gentleman Assistant (any age) for good-class Dispensing business in beautiful Hampshire village near military camp, where a good business is done; hours are short; shop pleasant to work in; healthy Hampshire pine district. Particulars to Keeble, Chemist, Liss, Hants.

HASTINGS.—Qualified Senior required; not eligible for Army; must be accustomed to high-class Dispensing and Retail business and capable of taking charge; first-class references essential; salary £3 per week (outdoors); alternate Sunday duties. Replies to Neve & Co., 12 Wellington Place, Hastings.

HUDDERSFIELD.—Assistant wanted (male or female); accustomed to first-class business; reliable Dispenser and competent to assist at Counter; outdoors; liberal salary. State age, experience, and enclose photo, Ralph Cuthbert, Ltd., Chemists, Huddersfield.

HULL.—Wanted, Assistant (outdoors), with Dispensing experience; permanent. State particulars and salary required to S. T. Kirton, Chemist, 53 Savile Street, Hull.

LANCASHIRE.—Spendid opening for smart young married man, qualified, ineligible for military service, as Manager; business situate in a pleasant suburb of large manufacturing town; interest in the profits offered. "Lancs" (126/142), Office of this Paper.

LEAMINGTON SPA.—Experienced Assistant, qualified or unqualified, for Dispensing Business; reasonable hours; must be exempt. Give usual particulars and state salary to W. L. Nundy, 35 Bath Street, Leamington Spa.

LONDON.—Junior or Improver; outdoors; no Sunday or Bank Holiday duty. Apply, with full particulars of experience, salary required, etc., to Crowe & Co., 19 Air Street, Regent Street, W.

LONDON District.—Unqualified Assistant, age about 46, required for Light Retail and Dispensing business; permanency to a suitable man. "G." (126/141), Office of this Paper.

LONDON, Finchley.—Lady Assistant wanted for Dispensing and to help at Counter in good-class business; reasonable hours, no Sunday duty, ½-day weekly. State age, height, previous experience (if any), salary required outdoors, and enclose photograph, to 127/16, Office of this Paper.

LONDON (Suburb).—Assistant; ineligible; whole or part-time; outdoors; good-class Retail, Dispensing, and Photographic. State usual particulars, salary expected, and when disengaged. Apply, J. P. Kendall, 20 Park Parade, Palmer's Green, N.

LONDON, N.W.—Qualified Assistant, married, wanted; over military age; furnished apartments provided. P. Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed o/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

LONDON, N.W.—Assistant, qualified or thoroughly experienced for Dispensing and Counter; if married good house is available, or arrangements could be made for single man to live on the premises, with housekeeper in charge. Usual full particulars, with photo, to E. R. Brickell, M.P.S., F.S.M.C., 295 High Road, Brondesbury, N.W.

LONDON, S.E.—Wanted, lady Assistant for Dispensing and Light Retail business. Apply, with full particulars, salary required, etc., to 127/21, Office of this Paper.

LONDON, S.E. (near London Bridge).—Wanted, competent Assistant, male or female (if male, ineligible); highest references essential; usual hours, with 3 hours' duty alternate Sundays; meals provided during business, otherwise outdoors. Apply, stating when disengaged, remuneration required, qualifications, and if abstainer, "Alembroth" (129/20), Office of this Paper.

LONDON, S.W.—Unqualified Assistant (ineligible), or lady (Apothecaries' Hall), with general experience; outdoors. Apply to Summers, Pharmacist, 436 High Road, Streatham, S.W.

LONDON, S.W.—Wanted at once, an Assistant who has had good Dispensing experience. Apply to A. J. Phillips, 156 Cromwell Road, South Kensington, S.W.

LONDON, S.W.—Required, Assistant for the Counter; front shop in large West-end House; male or female; hours of work approximately 8.45-6 o'clock, 1 o'clock Saturdays. Write, stating full particulars of experience and salary required, to L. J., 1475, Sell's Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Wanted, Warehousemen and Stock Assistants, with knowledge of patent medicines and ordinary everyday articles of Chemist business in large West-end House; good salary and commission. Write, with references, experience, and salary wanted (upon application being made full particulars will be given of vacancy), to L. J., 1477, Sell's Advertising Offices, Fleet Street, E.C.

LONDON, W.—Manager for family business in good-class suburb; salary 4*l.* 10*s.*; Sunday duty two hours; only one requiring a permanency entertained. 126/33, Office of this Paper.

MANCHESTER.—A qualified man to Manage branch; generous treatment to a good man. Apply, with all particulars, which will receive immediate attention, to "A.," c/o Heath Bros., Blackfriars, Manchester.

NEWCASTLE-ON-TYNE (near).—Registered Chemist, lady or gentleman (young or elderly); comfortable berth; good business experience; please send references and particulars. 126/27, Office of this Paper.

NEWPORT, MON.—Wanted, at once, unqualified Assistant or competent Junior (ineligible for military service) for Dispensing and Counter. Apply, with full particulars of experience, salary required, etc. (outdoors), Badgett, Chemist, Newport, Mon.

NORTH OF ENGLAND.—Wanted, well-trained Chemists, over military age or otherwise ineligible. Please state salary required, references, and when disengaged, to Superintendent, P.O. Box 141, Leeds.

OXFORD.—Qualified Assistant (ineligible for Army) wanted for old-established high-class business in new premises in best position; no Sunday duty; hours 8.30 to 7.30; closed on Thursdays at one. State salary and full particulars to W. H. Pearson, Chemist, Cornmarket Street, Oxford.

ST. ALBANS.—A lady Assistant wanted with some knowledge of Dispensing for a good middle-class business in a pleasant country town; hours 8.45 to 7.15, Thursdays 8.45 to 1, Saturdays to 8.30; no Sunday duty; good salary (outdoors). Shields & Warren, St. Albans.

SHEFFIELD.—Assistant, lady or gentleman, with good experience, for Dispensing department, and able to assist at the Counter if necessary. State age, height, experience, qualification, salary, and send photo if possible, G. T. W. Newsholme Ltd., 27 High Street, Sheffield.

SHEFFIELD.—Junior, lady or gentleman (ineligible) for Counter and Windows; outdoors. Please give full particulars in first letter, age, experience, salary required etc., H. G. Williams, 118 The Moor.

SOUTH OF ENGLAND.—Assistant required; free removal; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—Smart qualified Manager required for business situate not far from Cardiff; must be a capable Dispenser and good Counterman; good salary and interest in the profits offered to suitable man. "S. W." (126/14), Office of this Paper.

STOCKTON.—Wanted, Unqualified Chemist's Assistant; ineligible; good character; references; salary. Apply, Milburn's, Ltd., Chemists, Northumberland Street, Newcastle-on-Tyne.

WEST MALLING, KENT.—Wanted, an Assistant (lady or gentleman) for good-class Country business; easy hours; no Sunday duty; outdoors. Apply, stating age, experience, and salary required, enclosing photo if possible, to W. Stedman, Chemist, West Malling, Kent.

A JUNIOR Assistant (ineligible for service) or young lady for Counter and Photographic Department; hours 9 a.m. till 8 p.m., Saturdays 9 p.m., Thursdays 1 o'clock. State salary (outdoors) and experience. Apply, Messrs. Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell, London, S.E.

ASSISTANT; Surgical Instrument business; competent man of good character for front shop. Address, stating age, duties accustomed to, and wages expected, 120/16, Office of this Paper.

ASSISTANT for evenings, two or more days per week; chiefly for N.H.I. and Counter; Hammersmith. Apply, with full particulars, including days and hours available, also remuneration required, to 129/26, Office of this Paper.

BOOKKEEPER and general Clerk in the City (male preferred); permanent situation; if possible with some experience in the Drug or Drysaltery trade. Particulars to D. Turner, Northfield, Herbert Road, Hornchurch, Essex.

CAPABLE Assistant, lady or gentleman, for Dispensing or Counter. Please give full particulars of experience, salary required, etc., to Frank A. Rogers, 327 Oxford Street, W.

CERTIFICATED Dispenser, Bookkeeper, and Attendant, 11 years' experience, desires post with Surgeon or Institution; four years last appointment; permanency; London district or locum (anywhere); disengaged February 28. Apply 126/28, Office of this Paper.

DISPENSER Wanted, lady or gentleman, in Light Retail and Dispensing business. Apply, with photo (to be returned), to Chas. Thompson & Sons, Chemists, Sparkbrook, Birmingham.

DISPENSARY Attendant (non-resident) required temporarily at the London County Asylum, Colney Hatch, New Southgate, N.; ineligible for Army; similar experience and knowledge of Photography desirable; wages 30s. weekly, with dinner daily when at the Asylum, or 35s. without dinner; if married special allowance in respect of dependants; hours of duty, 8 a.m. to 5 p.m., Saturdays 8 a.m. to 1 p.m. Apply, in writing, with references and full particulars of experience, to the Medical Superintendent.

IMMEDIATELY.—A competent, trustworthy Assistant needed for good Dispensing and Retail business. W. Pickard, 3 West Kensington Terrace, W., opposite West Kensington Station.

IMPROVER or Junior Assistant wanted at once. Apply T. Andrews, 126 Stephendale Road, Fulham.

JUNIOR Assistant required, outdoor. Please give particulars as to age, height, and salary to Wharram, 115 Vicar Lane, Leeds.

MANAGER; qualified; married; to Manage small business in Western county. Also unqualified Assistant; indoors in each case. State age, experience, and salary required. Apply, "B. X." 124/35), Office of this Paper.

MANAGER wanted at once for good-class Dispensing and Retail business; capable Assistant kept (conditional exemption); good house; easy hours; good terms to suitable man. Apply, in first place, to the Manager, Station Pharmacy, Sunninghale, Berks.

MANAGER; qualified; over 45 or ineligible; must be a good Organiser and accustomed to good-class business. Apply, giving full particulars of experience and salary required, to Mr. Reid, 2 & 3 Queen Street, Exeter.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

OUTER Suburb.—Junior Assistant (indoors) wanted; lady or gentleman; high-class trade; easy hours; extra holidays arranged; charming neighbourhood; comfortable home. In applying, state age, height, and experience, and enclose photo, which shall be returned immediately, Hutchin, The Pharmacy, Loughton, Essex.

PHOTOGRAPHIC Assistant (ineligible) wanted for Photographic and Optical business. State age, experience, references, salary required, and when at liberty, to "Photo" (127/35), Office of this Paper.

QUALIFIED Manager for high-class Store Chemists; South Coast; must be smart business man, good Window Dresser, and Salesman, with Photographic knowledge; permanency to right man; commencing salary £4 week and bonus on profits; applications treated in confidence. Full particulars, height, when disengaged, 125/11, Office of this Paper.

QUALIFIED Dispenser for a high-class Dispensing business; ineligible; outdoors; good salary to suitable man. Full particulars of experience, age, etc., to "X. Y. Z.," c/o Messrs. S. Maw, Son & Sons, Ltd., 7/12 Aldersgate Street, London, E.C.

QUALIFIED Branch Manager prepared to accept reasonable salary for permanency, not war emergency, plus fair commission on profit, thus deriving benefit of energy and successful management; good-class business; short hours; Southern market town; state full particulars, experience, age, salary, photo, married, etc., Foster, "Ivydale," London Road Portsmouth.

QUALIFIED lady or gentleman as Manager for old-established business in manufacturing town, South Yorks. State terms, references, etc., first letter. Apply, "E. B. F.," (126/31), Office of this Paper.

QUALIFIED Assistant wanted (ineligible for Army) to take charge of high-class Dispensing and Retail department. Apply, with full particulars, to Chas. F. Thackray, Great George Street, Leeds.

QUALIFIED Manager, married or single, lady or gentleman, resident or non-resident, for high-class suburban business, at once; state salary and experience. Apply, Blanchford, Chemist, Wimbledon.

STARKIE, 126 Strand, W.C., has a vacancy for an experienced Assistant; immediate; qualified desired but not essential, ineligible. Write, or call, to the above address.

NATIONAL HEALTH INSURANCE.
DRUG ACCOUNTS COMMITTEE (SCOTLAND).

TEMPORARY Assistant Superintendent (ineligible for military service) wanted for Central Checking Bureau in Glasgow; applicants must be qualified Chemists, and have experience in pricing National Health Insurance prescriptions; speed and accuracy essential; salary £150. Applicants must state age, experience, and enclose testimonials to Superintendent, 20 Renfrew Street, Glasgow.

TWO Assistants required, one an elderly qualified Chemist, the other with Hall qualification; males or females; short hours; comfortable berth. 126/9, Office of this Paper.

UNQUALIFIED Assistant (outdoors) immediately, male or female; light hours; no Sunday duty. Applicants please give full particulars in first letter as to age, height, experience, etc., and salary required, to A. Ness, Pharmacist, 68 Brixton Road, London, S.W.

UNQUALIFIED Assistant required in an Agricultural and Dispensing business in the Eastern Counties. Apply, with full particulars of age, experience, and salary required, to 127/37, Office of this Paper.

UNQUALIFIED Assistant wanted (ineligible for Army or over military age). State age, reference, and salary, Taylor Gibson & Co., 17 Bigg Market, Newcastle-on-Tyne.

WANTED, young lady for Chemist and Fancy Goods department; Counter experience necessary; Hall qualification preferred. Application, by letter, endorsed "Chemist," stating age, salary required, and references as to character and ability, on or before Tuesday, February 13, to Co-operative Society, Heckmondwike.

WANTED at once (indoors), Junior Assistant; unqualified. Apply, with full particulars, Heaton, Chemist, Ripley, Derby.

WANTED, Lady (Hall qualification) in Dispensing business. Apply Richardson & Co., Chemists, Blackpool.

WANTED immediately, qualified or unqualified Assistant; used to good-class trade; honest, willing, and obliging. Also part-time Assistant; two or three days a week. Apply, giving full particulars as to salary, references, etc., to Boutall's, Ltd., 150 Southampton Row, W.C.

WANTED, Manager for Drug Stores; must be competent man; responsible position; good salary to right man; London, S.E. Apply, with full particulars, to 129/29, Office of this Paper.

50S. PER WEEK.—Assistant wanted for Retail Counter; must be ineligible; hours 8.30 to 8, Saturdays 8.30 to 9, usual half-holiday weekly. Please give particulars as to experience, references, age, and when disengaged in first letter to Bishop & Vincent, 460 Holloway Road, London, N.

£2 5S. WEEKLY.—Competent Assistant for N.H.I. and Counter; light Retail in busy market thoroughfare; ineligible; outdoor; whole-day holiday weekly; 3 hours' duty on alternate Sunday mornings. Apply, with full particulars, to Briggs' Drug Stores, 2a Westmoreland Road, Camberwell Gate, London, S.E.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

NOTTINGHAM.—Assistant required for Wholesale and Retail; must be experienced, ineligible for military service, and used to packing and despatching Heavy Goods, Acids, etc. Apply, with references, and stating when disengaged, Dennis & Roberts, Ltd., Wholesale Druggists, Clumber Street, Nottingham.

CAPABLE Manager, compressed Drugs and Pill department. State age, experience, and salary required, to "Lancashire" (201/55), Office of this Paper.

DESPATCH Clerks and Counter Assistants required by leading London house; ineligible. Apply, giving full particulars, 197/27, Office of this Paper.

DRUG Hands, Wet and Dry, males or females. Ayrton, Saunders & Co., 34 Hanover Street, Liverpool.

DRUGGIST, Sundries.—Required, in City Wholesale Druggist's, a young lady with a knowledge of this department. Apply by letter, giving full particulars and salary required, to 205/9, Office of this Paper.

EXPERIENCED Pill-maker wanted; good pay to reliable man. Write, giving full particulars of experience, etc., to "London" (126/25), Office of this Paper.

FOREWOMAN.—Wanted for a Manchester Perfumery house, a Forewoman capable of managing 20 or 30 girls; must be used to packing first-class lines; permanent and progressive position to a suitable applicant. Apply, 125/30, Office of this Paper.

FOREWOMAN, must be business woman, to superintend girls packing Druggist Sundries. State full particulars as to references and salary required, to Lever's, Elver Works, Moreton Street, Manchester.

QUALIFIED lady Assistant for responsible position in Wholesale Provincial house. State salary required, 200/150, Office of this Paper.

REPRESENTATIVE wanted for London and suburbs; perfume and toilet preparations; salary, expenses, and commission; a good opening for a smart man. "Otto" (127/38), Office of this Paper.

WANTED, Representative (ineligible) to call on Hospitals and Doctors for Drugs and Instruments. Apply, giving full particulars, to Chas. F. Thackray, Great George Street, Leeds.

WANTED, services of Russian gentleman conversant with requirements of Russian Fine Chemical, Heavy Chemical, and Drug Trade; must read and speak English reasonably fluently; state experience and salary required. Address 204/59, Office of this Paper.

WANTED at once, by an old-established firm of Manufacturing Chemists, a competent Laboratory Assistant; permanency to suitable man; state experience and wages. 128/40, Office of this Paper.

WANTED, good Stock-keeper, male (ineligible) or female, for putting up and despatching branch shop orders; thorough knowledge of all branches of the trade. Apply Heppell & Co., 38 Chandos Street, Charing Cross.

WET Floor and Laboratory hands wanted at once. Apply to Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C.

WET-ROOM Assistant (ineligible for military service) required by a Provincial Wholesale house. Write, giving full particulars, to John Ismay & Sons, Manufacturing Chemists, Newcastle-on-Tyne.

WHOLESALE Provincial Drug house requires the services of an experienced man for Managerial work. State age, experience, and remuneration suggested, 200/15, Office of this Paper.

YOUNG woman wanted for perfumery Bottle Labelling, Capping, and Shampoo-powder Filling; must be thoroughly experienced. State particulars. Apply, 202/67, Office of this Paper.

SITUATIONS WANTED.

1/- for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]
RETAIL.

AS Locum; permanency; good references and experience. "Chemist," 14 Sutherland Place, Bayswater.

ASSISTANT; 37; ineligible; 5 ft. 11 in.; disengaged; unqualified; Dispensing, Counter, Books, etc. "L.," 64 Howard Street, Gloucester.

ASSISTANT; 27; good Counter and Dispensing experience; knowledge of French; unqualified; London preferred. Apply, 125/4, Office of this Paper.

ASSISTANT (C 2), London, Provincial experience, Dispensing and Photographic, seeks temporary situation; Midlands preferred; good references. "Medicus," 32 Laurel Street, Nottingham.

ASSISTANT, ineligible, requires post immediately, in or near London. 127/29, Office of this Paper.

CHEMIST; qualified; first-class London experience; over military age. Apply 129/4, Office of this Paper.

DISENGAGED (26); energetic; totally exempt; capable manager or assistant; experienced; London or suburbs. Apply 129/28, Office of this Paper.

DISPENSER; quick and accurate; good salesman; fluent French and Italian; City and West-end experience (15 years). "M. B." (129/2), Office of this Paper.

DISPENSER (Hall) disengaged; 10 years' experience; partly trained nurse; Croydon district or London preferred; understands bookkeeping. T., 38 Brighton Road, South Croydon.

DISPENSING and counter experience; exempt military service; succession entertained. "Qualified" (129/5), Office of this Paper.

LADY Dispenser, well recommended, seeks post with Doctor, Institution, or part-time; perfect French; Bookkeeping if desired. Bailey, 53 Leinster Square, Bayswater, W.

LADY seeks Dispensing post; twelve months' experience with Chemist; near London preferred. Miss R., "Havenfield," Totteridge Road, High Wycombe, Bucks.

LADY Dispenser desires post; Chemist; 4 years' experience; Birmingham district preferred. Address, 125/9, Office of this Paper.

LADY Dispenser, trained, with some experience, desires post to gain more; North London preferred. "E. B.," 15 Station Road, Church End, Finchley.

LADY, minor, desires post; first-class Chemist; well trained. 126/39, Office of this Paper.

LADY Dispenser (Hall certificate) desires post; Doctor or Institution preferred. 126/12, Office of this Paper.

LADY Dispenser (Apothecaries' Hall) requires post; London or Home Counties preferred. Weller, Wakehurst, Cranleigh, Surrey.

LADY Dispenser wants post with Chemist; part Hall-qualified. Apply 129/30, Office of this Paper.

LOCUM; qualified; first-class references. "D.," Smith's Agency, 32 Sun Street, Birmingham.

LOCUM; qualified; first-class references; M.P.S. J. Thompson, Ltd., Hanover Street, Liverpool.

LONDON.—Lady (Hall), high-class West-end experience, Dispensing and Counter, desires change; excellent references; requires Saturday half-day. "Lodge" (126/2), Office of this Paper.

M.P.S.—PHARMACY Medallist, C 3, active, healthy, good allround experience, 29, desires Management of Dispensing business, with N.H.I. Full particulars to Graydon, Woolhope Road, Worcester.

MANAGER or Assistant; 45; experienced Dispenser; good Counterman; active; unqualified. Apply, 125/5, Office of this Paper.

MANAGER; country business; single-handed; lock-up shop; immediately. 126/10, Office of this Paper.

MANAGER; qualified; ineligible; thoroughly experienced; London preferred. G. F., 22 Graham Street, London, N.

MIDDLE-AGED Gentleman, qualified, with London and country experience, requires post as manager; good references. "Tabloid," 129 East Dulwich Grove, London, S.E.

QUALIFIED Manager or Assistant; permanency or locum; experienced. Davies, Tycwrdd, Llwynhendy, Llanelly.

QUALIFIED; over military age; out of trade some time; first-class London and country experience; any capacity; single. "A. N. K." (127/11), Office of this Paper.

UNQUALIFIED Assistant or Branch Manager, married, age 47, desires change; Yorkshire district preferred; present position (Manager) 21 years; disengaged February. 118/22, Office of this Paper.

UNQUALIFIED; Management or position of trust; ineligible; London preferred. "F.," 241 Seven Sisters Road, N.

UNQUALIFIED, 23, C 3, desires change; present engagement three years; Dispensing and Counter; state salary and hours. Apply, 126/15, Office of this Paper.

YOUNG lady desires post as Assistant Dispenser; some experience; Chemist not objected to. "E. B.," 31 Draycott Avenue, Chelsea, S.W.

WHOLESALE.

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REPRESENTATIVE.

ADVERTISER, with extensive experience at home and abroad, knowing and known thoroughly throughout Midlands, desires berth for that or other territory; age 43; 6 ft. 1 in.; commission houses only; may save stamps. Apply, 202/1, Office of this Paper.

BRISTOL AND WEST OF ENGLAND.—Gentleman covering this ground desires to represent well-known House (whole or part time); proprietary line preferred; references; guarantee. Address, "Bristolian" (126/26), Office of this Paper.

PHARMACEUTICAL Chemist, past military age, Wholesale, Laboratory, and Retail experience, seeks engagement (outdoors); temporary or permanent. "Major," 3 East Dulwich Grove, S.E.

QUALIFIED (43) seeks suitable engagement; Representative or indoor. "Pharmacist," 5 Claverton Street, S.W.

TOILET-BRUSH, Perfumery Manufactures, and Others.—London representative, experienced and exceptional connection Chemists and Shippers, is open to take up additional Agency for established House. Apply 129/3, Office of this Paper.

TRAVELLER, ineligible, disengaged, seeks appointment; good experience of road; selling record and connection; excellent knowledge drug and allied trades; qualified Chemist. "Cortex" (127/9), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green.

Shares for Sale (free of commission, subject).—250 Wright Layman 6 per cent. Preference, 19*s.* 10½*d.*; 90 W. B. Fordham, 9*s.* 10½*d.*; 200 Lewis & Burrows Ordinary, 5*s.* 9*d.*; 100 C. Ash 5½ per cent. Preference, 18*s.* 3*d.*; 50 Molassine Preference, 14*s.* 3*d.*; 80 Watford Manufacturing Preference, 11*s.* 3*d.*; 200 Peek Frean Preference, 18*s.*; 200 British Oil Cake Ordinary 29*s.* 7½*d.*; 300 Mazawattee Ordinary, 1*s.* 4½*d.*; 40 Castner-Kellner, 66*s.* 3*d.*; 200 Plasmon 6 per cent. Preference, 15*s.* 9*d.*; 30 Brunner Mond Ordinary, 80*s.* 9*d.*; 200 John Knight Ordinary, 26*s.* c.d.

Wanted (subject).—£500 Idris Debentures, £56 per £100 stock; Allenburys Preference, 18*s.* 6*d.*

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

WHAT offers? About 1 ton Lead Acetate, 2 cwt. Orris Root, 1 cwt. Caseine, 10 cwt. Potassium Chloride, 2 cwt. Boracic Acid, ¾ cwt. Chlorate of Potash, ¼ cwt. pure Ammonium Sulphate, ¼ cwt. Potassium Nitrate. Apply, 199/16, Office of this Paper.

SHOP FITTINGS (SECOND-HAND), Suitable for Large Pharmacy, or can be adapted as required.—16 ft. Plate-glass Wall-case; 16 ft. Handsome Fixture with Glass-labelled Drawers, Mahogany cupboards, etc.; 12 ft. Plate-glass Fronted Counter with Label Drawers, etc.; 7 ft. Handsome Dispensing Screen; Silent Salesman Case; 6 ft. Bent Plate-glass Counter Case; Desk and Perfume Case; £135 the lot; sketches on application; or would divide. PHILIP JOSEPHS & SONS, 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

MCQUEEN'S System of Accounts works out profit and loss account, balance sheet, and income-tax return with guaranteed certainty; prepare for even bigger war tax and over-assessment by using this "Accountant on your Desk"; simple as ABC. Full particulars and testimonials, free, McQueen & Co., Moat Road W., Leicester.

TO WHOLESALE CHEMISTS, SHIPPERS, etc.

We compress tablets from your own ingredients or otherwise, plain or coated. Large quantities dealt with quickly. Superior Machinery and Scientific Control.

Lowest quotations for Cascara tablets in bulk.

R. GIBBINS & CO., 1 Birkbeck Road, Kingsland, LONDON, N.E.

8/6 3 Years 4 Columns

Jay Mack's Ledger gives Yearly Sales, Purchases, Exes., with only 10 mins. work weekly; Easy Stocktaking explained; Form Pages show Balance Sheets and Income Tax deductions; no previous Book-keeping experience needed.

10/6 4 Years 5 Columns

On appro. on receipt of cheque. 6d. Booking Fee if returned.

Mack-Ivor, Hightown P.O., Crewe. | See it for yourself. | Ayrtons, Bleasdales Evans Raimes

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin tablets (203/22)
Bromural tablets (128/37)
Chinosol tablets (original) (128/37)
Duboisine sulphate (203/22)
Eugallol (203/22)
Gelineau's dragees (203/22)
Iodoglidine tablets (203/22)
Lenigallol (203/22)
Palm-olive soap (203/22)
Perhydrol (203/22)
Pyramidon tablets (128/37)
Quinine valerianate (203/22)
Resorcin (203/22)
Theocinoids (128/37)
Ung. cycloform co. (203/22)
Valyl pearls (203/22)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Acid acetic glacial, 20 lb. (126/34)
Acid benzoic, 1 lb. (126/34)
Acitrin tablets (Bayer) (127/6)
Arseno - triferrin tablets (Knoll) (127/6)
Atropin. sulph., 50 grains (126/34)
Butyl chloral hydrate, 1½ oz. (126/34)
Caffeine, 4 oz. (126/34)
Chloral hydrate, 1 lb. (126/34)
Citarin (Bayer) (127/6)
Codeine, ¾ oz. (126/34)
Codeonal tablets (Knoll) (127/6)
Digipuratum tablets (Knoll) (127/6)
Europhen (Bayer) (127/6)
Guaiacol carb., 12 × 1 oz. packets (127/34)
Guycose (Bayer) (127/6)
Helmitol (Bayer) (127/6)
Helmitoloids (Bayer) (127/6)
Hydrarg. iodid. rub., 4 oz. (126/34)
Hydrarg. perchlorid., 2 lb. (126/34)
Jodival tablets (Knoll) (127/6)
Jothion ointment (Bayer) (127/6)
Mesotan (Bayer) (127/6)
Novaspirin (Bayer) (127/6)
Phenacetin, 8 oz. (126/34)
Phosphocose (Bayer) (127/6)
Resorcin, 2 oz. (126/34)
Sajodin pewder (Bayer) (127/6)
Santyl (Knoll) (127/6)
Styptol - tablets (Knoll) (127/6)
Styracol tablets (Knoll) (127/6)
Tannalbin (Knoll) (127/6)
Tannigenoids (Bayer) (127/6)
Tannopin (Bayer) (127/6)
Triferrin tablets (Knoll) (127/6)

Out-of-date Cameras bought. *Chemists often take in exchange an old Camera as part payment for a new one, or have same left on their shelves. We buy these on Cash Terms. Try us.*

WATSONS, 84 High St., SHEFFIELD.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6*d*.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

DRUGS AND CHEMICALS

POT. permang., 7 lb. Offers to Hulme & Co., Ltd., Chemists, Oldham.

WHAT offers 280 lb. stearine? Roberts, 34 St. Saviour's Road, Leicester.

15 lb. sodii. salicylas; physiologically pure; what offers? Walton, 67 Bolsover Street, W.

2 lb. potass. permang., 3 oz. phenacetin, 2 oz. saccharine; what offers? Hine, Chemist, Beaminster.

WHAT offers benzoic acid, sodium benzoate, pilocarpine, suprarenalin, saffron, cubebs? Hasselby, Hastings.

OFFER wanted; 2½ doz. bottles 25 phenacetin tablets, gr. v. (Evans Sons' packing). "W. J. R.," c/o Mr. Armitage, Chemist, Tong Road, Leeds.

WANTED, offers 7 lb. gum elemi., 1 lb. resin podoph., 60 x 6*d*. and 12 x 1*s*. 6*d*. Miriam's Food, ½ lb. emp. bellad. Savage, Manchester Road, Bradford.

OPTICAL AND PHOTOGRAPHIC.

OFFERS wanted for large mounted brass microscope in mahogany box, with various lenses, live box specimens, etc., 25 pieces in brass. Greaves, 5 St. John Street, Mansfield.

WANTED.

DENTAL facepiece and gas bag wanted; second-hand. Dentist, Fernhill, Charmouth.

A microscope; also Greenish's Materia Medica, latest edition. Forster, Chemist, Seaham.

WANTED, recipes, toilet, medicinal, veterinary, label with price. Samuel Arthur, Chemist, Redruth.

WANTED, good filling machine, purchase or hire; state make and capacity, Lait, 27 Store Street, W.C.

WANTED, salicin in quantity; spot or forward delivery; lowest cash terms. Address, 193/71, Office of this Paper.

WANTED, Colgate dactyle perfume. State size and price, "Argyrol," 72 Warwick Avenue, Maida Vale, W.

DENTAL chair, also dental spitoon; must be cheap. Fullest particulars to "Chemist," 91 High Street, Sevenoaks.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

SMALL National cash register wanted; self-adder, and must be in good condition. Write, with particulars, to F. Chapman, 150 Gillespie Road, Highbury, N.

WANTED, boot-polish tins, to hold about ½ lb.; size about 4 in. by 1 in. We are also buyers of liquid metal-polish tins. Samples and prices to "Brytenup," Polish Works, Preston, Lancs.

BRITISH Pharmacopœia, 1914; "Squires," "Martindale," latest editions; 12-15 second pulse glasses; 4711 E.D.C., all sizes; alypin, iodoglidine tablets; quinine, any quantity. 129/8, Office of this Paper.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*February* 3. 1917. [72]

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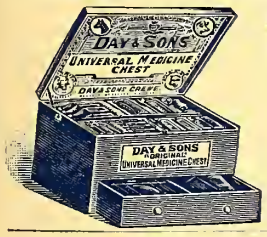

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